

Prosthetics 2013/2014

The complete program.



“Anyone who stops improving has stopped being good”.

(Philip Rosenthal)

Customer number

Please insert your Dentaurum customer number. For faster service, we kindly ask you to use your customer number when ordering.

Dear customer,

A recent image study attested yet again that we are very customer-friendly. Dentaureum has not only maintained a high standard but also continuously improved. This is clear in comparison with leading competitor companies etc.

We were awarded excellent ratings for “Reliability” and “Competence”. The very good and prompt delivery was particularly highlighted by our customers.

Our range of products for dental technology includes powerful brand names such as the non-precious **remanium**® metal alloys and investments like **rema**® **Exakt**. **remanium**® **star** is the first dental alloy which is ideal for all application technologies such as casting, milling and laser melting.

Ceramic materials are not only used in dental technology but also in our orthodontic and implantology sectors. We have revised the complete ceramic range and adapted to the latest developments and standards. Fifteen years experience in our own company has created new, fully coordinated veneering and pressable ceramics under the brand name of **ceraMotion**®.

Highly qualified employees, an in-house training system, active development work as well as a professional quality management are our basis for continuing to be internationally competitive in the future.

We look forward to meeting future challenges together with you.

Best regards from Ispringen



Mark Stephen Pace
CEO Dentaureum Group



Axel Winkelstroeter
CEO Dentaureum Group

Dentaurum Group

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



Dental technologies that set standards.

The Dentaurum Group develops, produces and sells products worldwide for dentists and dental technicians. Dentaurum has been actively involved in the dental sector for more than 125 years as an owner-managed family company with its headquarters in Ispringen (near Pforzheim), Germany.

Due to its exceptionally wide-range of dental products and services Dentaurum has developed an excellent reputation all over the world in dental technology, ceramics, orthodontics and implantology (Dentaurum Implants). Dentaurum products are available in more than 130 countries via its subsidiaries in 8 countries and distributors throughout the world. There are expert medical product advisers in your locality in Germany, Austria and Switzerland. We also have a local presence in other countries in Europe.



Orthodontics | Implantology | Prosthetics | Ceramic



Dentaurum – Online.

Fast – comfortable – easy.



Produktname	Netto-Preis
Orthocryl® Basisanstrich	29,90 €
Orthocryl® Basisanstrich 2er Pack	59,80 €
Orthocryl® Basisanstrich 4er Pack	119,60 €
Orthocryl® Basisanstrich 6er Pack	179,40 €
Orthocryl® Basisanstrich 12er Pack	358,80 €
Orthocryl® Basisanstrich 24er Pack	717,60 €
Orthocryl® Basisanstrich 48er Pack	1435,20 €
Orthocryl® Basisanstrich 96er Pack	2870,40 €

▶ Product information.



➔ For more information on our products and services, please visit www.dentaurum.de

➔ Order easily and quickly in the **Dentaurum Online-Shop** also mobile using the free catalogue app



► Service information.



Everything e@sy.

The design of the Online-Shop is absolutely user-friendly. It contains the same products as the printed Dentaurum catalogue. The required products can be found quickly and easily and ordered directly in the usual way.

The shop system guides you with a few clicks easily and quickly through the ordering process. You can place your order, regardless of the time of day.

Advantages at a glance.

- Comprehensive product information.
- Compare products.
- Automatic availability check of the products.
- Individual shopping lists for your frequently ordered products.
- Direct ordering from the catalog.
- Order history – display of your previous orders.
- Ordering service materials for patients directly online.
- Display of your personal conditions and prices.
- Safe ordering with SSL encryption.



Your direct contact.

We are happy to be of service.



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ceraMotion®

The complete ceramic system.



Ceramics ■

Crowns and bridges ■

Cast partial denture ■

Titanium ■

Finishing ■

Prosthetics ■

Wires | Clasps ■

Expansion screws ■

Orthodontic acrylics ■

Pliers | Instruments ■

Equipment ■

Implantology ■

Knowledge ■

Courses ■

Service ■



Minimal effort –
enhanced aesthetics

Wide-ranging innovations.

Dentaurum has revised the complete ceramic range and adapted the latest developments and standards. 15 years of in-house experience have created new, fully coordinated veneering and press ceramics.

ceraMotion® hybrid ceramic can be very easily and efficiently processed. The ceraMotion® family sets a new standard, which is based on the successful history of Dentaurum.





ceraMotion® Me

Veneering ceramic for metal frameworks.

ceraMotion® Zr

Veneering ceramic for zirconia frameworks.

ceraMotion® Ti

Veneering ceramic for titanium frameworks.

ceraMotion® Lf

Low-fusing veneering ceramic for alloys with a high CTE value.

ceraMotion® P+PMe

Press and press-on ceramic for metal frameworks.

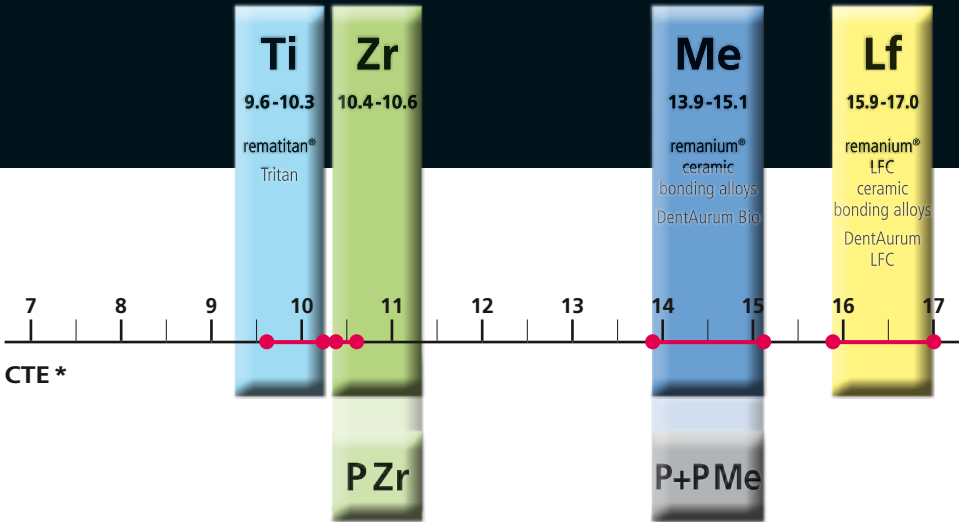
ceraMotion® PZr

Press-on ceramic for zirconia frameworks.

Indication.

Allocation of ceramic to framework material.

ceraMotion® Veneering ceramic.



ceraMotion® Press ceramic.

* CTE – Coefficient of thermal expansion of the framework material
(10⁻⁶ K⁻¹, 25–500 °C / 77–932 °F)

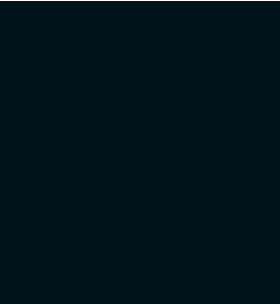


Coordinated material and handling characteristics.

Optimal matching of CTE values to all types of framework material and high bond strength demonstrate the high degree of reliability. The double thermal treatment ensures the required material properties. A build-up diagram that can be used uniformly with all ceramics facilitates working procedures, regardless of which framework material is used.







Advantages of the ceraMotion® family at a glance:

- Facilitation of working procedures due to uniform processing characteristics and build-up techniques with all ceraMotion® hybrid ceramics.
- Short firing cycles due to the elimination of the long time cooling phase even with non-precious alloys.
- Double thermal treatment ensures consistently reproducible material characteristics.
- Reliable material bond due to optimal matching of the CTE value to the framework materials.
- The thermocoloration procedure ensures absolutely reliable shade reproduction.
- Maximum shade vitality due to the stability of the optical properties, even after multiple firing cycles.
- Unique chroma concept for achieving all shades, including according to the Vita - 3 D - Master® or Ivoclar-Chromascop® shade guide.
- Unique Touch Up concept for facilitating working procedures during finishing or repairs.
- Perfect bonding through the usage of the TR-Opaque, which combines the properties of a Bonder and a Paste Opaque.



ceraMotion®



-  **ceraMotion^{Me}**
Veneering ceramic for metal frameworks (CTE 13.9–15.1)
-  **ceraMotion^{P, PMe}**
Press ceramic for all-ceramic inlays, partial crowns, veneers and crowns
Press-on ceramic for metal frameworks (CTE 13.9–15.1)
-  **ceraMotion^{Zr}**
Veneering ceramic for zirconia frameworks
-  **ceraMotion^{PZr}**
Press-on ceramic for zirconia frameworks
-  **ceraMotion^{Ti}**
Veneering ceramic for titanium frameworks
-  **ceraMotion^{Lf}**
Low-fusing veneering ceramic for alloys with a high CTE value

ceraMotion® veneering and press ceramic.

ceraMotion® hybrid ceramic incorporates coordinated components for building up and pressing. Two different techniques with a common objective: optimal aesthetics and process reliability on all framework materials. Ideal adaptation to high-performance zirconia ceramics or to the latest generation of highly resistant super CrCo alloys such as remanium® star.

Build-up.

Different, specially adapted base frits are used for opaque, dentine or enamel. ceraMotion® produces a harmonious, natural result exactly according to the example of nature. ceraMotion® hybrid ceramic therefore matches the layering of the natural tooth.

The Touch Up system.

The innovative "Touch Up" range combines the add-on firing with the glaze firing cycle. The range includes highly efficient components that not only facilitate working procedures but also meet the highest expectations. "Touch Up" also contains repair ceramic powders, including opaques. An ingeniously simple system, created by users for users.





8 Shade Set (Paste Opaque)

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

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

Compatible with ceraMotion[®] PMe press-on ceramic.

REF 252-800-10

1 set

CE 0483

Contents:

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

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

3 Shade Set (A2, A3, B2)

REF 252-900-15

* Elements from 3 Shade Set – some liquids with smaller containers.



8 Shade Set (Powder Opaque)

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

Contains the 8 most important A-D shades, Powder Opaque, Base Dentines, Dentines, Incisal and effect materials.

Compatible with ceraMotion® PMe press-on ceramic.

REF 252-800-15	1 set
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CE 0463

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



Chroma Concept Set

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

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

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

REF 252-800-45

1 set

CE 0483

Contents:

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

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



Touch Up Set

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

Contains 10 ceramic materials including Opaque, Base Dentines, Dentines and Incisal materials.

REF 252-800-50

1 set

CE 0483

Contents:

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

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

Online-Shop

Dentaurum





Stains Universal Set

Set containing the 8 most important stains (3 opaque shades and 5 characterisation shades) for internal and external effects.

REF 254-800-20

1 set

CE 0483

Contents:

Designation	REF	Quantity
Body Stains B ST A	254-220-02	2 g
Body Stains B ST B	254-221-02	2 g
Body Stains B ST C	254-222-02	2 g
Stains ST white	254-201-02	2 g
Stains ST orange	254-204-02	2 g

Designation	REF	Quantity
Stains ST blue	254-207-02	2 g
Stains ST olive green	254-209-02	2 g
Stains ST red brown	254-212-02	2 g
Stains Liquid	254-010-02	20 ml
Shade Disc Stains	254-105-00	1 piece

Paste Opaque PO

Paste Opaque

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

Liquid: Paste Liquid



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

CE 0483

Paste Opaque Modifier POM

- customised accentuation of the Paste Opaque

Liquid: Paste Liquid



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

CE 0483

ceraMotion[®] Me – Metal ceramic



Opaque O

Powder Opaque

- 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

CE⁰⁴⁸³



Opaque Modifier OM

- customised accentuation of the Powder Opaque

Liquid: Powder BOL Liquid

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

CE⁰⁴⁸³

Shoulder SM

Shoulder material

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

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

Liquid: Shoulder Liquid

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

CE 0483



Gingival G

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

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

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

CE 0483



ceraMotion^{Me} – Metal 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 unfavourable 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

CE⁰⁴⁸³



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

CE⁰⁴⁸³



Dentin D

Standard Dentin

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

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



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

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

ceraMotion[®] Me – Metal ceramic



Dentimodifier Chroma DM C

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

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

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

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Dentimodifier Fluo DM F

Dentin effect material with increased fluorescence

- controls the brightness value

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

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

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Incisal I

Standard Incisal material

- application in the incisal region

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

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

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Incisal Opal IO

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

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

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

CE 0483



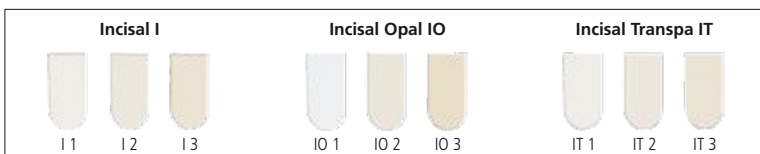
Incisal Transpa IT

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

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

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

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Transpa T

- highly 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

CE⁰⁴⁸³



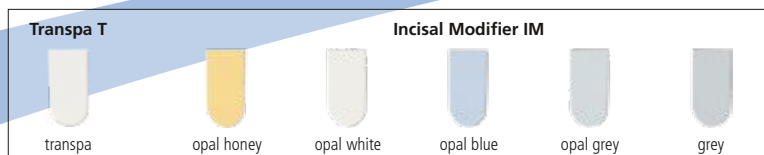
Incisal Modifier IM

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

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

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

CE⁰⁴⁸³



Chroma Concept Paste Opaque CC PO

Chroma Paste Opaque

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

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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Chroma Concept Opaque CC O

Chroma Powder Opaque

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

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 colour space
 - same opaque characteristics as Dentin
 - white and light Dentin bleaching materials
 - produces all the hues of the shade guide of other suppliers (e.g. Vita-3 D-Master[®] or Ivoclar-Chromascop[®])
- 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

CE⁰⁴⁸³



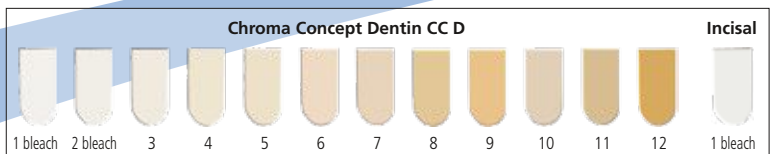
Chroma Concept Incisal CC I

light Incisal bleaching material

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

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

CE⁰⁴⁸³



Touch Up Paste Opaque TU PO

Low-fusing Paste Opaque for corrections.

Firing temperature: 860 °C / 1580 °F

Liquid: Paste Liquid

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

CE 0483



Touch Up Base Dentin TU BD

Low-fusing materials 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

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Touch Up Dentin TU D

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

- highly condensed marginal ridges enhance the aesthetics

Liquid: 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

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Touch Up Incisal TU I

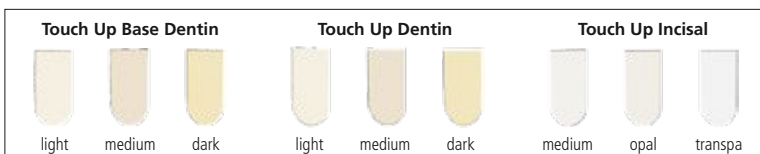
Low-fusing material for correction and glaze firing in one.

- highly condensed marginal ridges enhance the aesthetics

Liquid: 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

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Correction C

LFC material, 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

CE⁰⁴⁸³



Glaze GL

Glaze material for mixing with Stains and Body Stains.

Liquid: Stains Liquid

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

CE⁰⁴⁸³

Body Stains B ST

Stains

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

Liquid: Stains Liquid



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



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Stains ST

Stains

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

Liquid: Stains Liquid



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



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ceraMotion[®] Me – Metal ceramic



Me Standard Modelling Liquid

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

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



Modelling Liquid

Standard liquid for mixing the ceramic materials.

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



Modelling Liquid +

Modelling liquid with slightly increased viscosity.

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



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, Powder Opaque, Powder Liner.

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

Metal ceramic – **ceraMotion[®]** Me

Shoulder Liquid

For mixing the shoulder materials.

- increases the positional stability

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



Stains Liquid

For mixing the stains and the glaze/glaze material.

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



ceraMotion[®] Me – Metal ceramic



Contrast Marker

For coloring mixed ceramic materials.

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

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

ceraMotion® P.PMe – Press and press-on ceramic



Paste Opaque PO

Paste Opaque

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

Liquid: Paste Liquid

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

CE 0483

Press and press-on ceramic – **ceraMotion® P-PMe****Ingot PMe I**

Press ingots for pressing on to metal, for pressing all-ceramic crowns.

Shade code	REF	Quantity
PMe I A1	252-431-05	5 x 2 g
PMe I A2	252-432-05	5 x 2 g
PMe I A3	252-433-05	5 x 2 g
PMe I A3,5	252-434-05	5 x 2 g
PMe I A4	252-435-05	5 x 2 g
PMe I B1	252-436-05	5 x 2 g
PMe I B2	252-437-05	5 x 2 g
PMe I B3	252-438-05	5 x 2 g
PMe I B4	252-439-05	5 x 2 g
PMe I C1	252-440-05	5 x 2 g
PMe I C2	252-441-05	5 x 2 g
PMe I C3	252-442-05	5 x 2 g
PMe I C4	252-443-05	5 x 2 g
PMe I D2	252-444-05	5 x 2 g
PMe I D3	252-445-05	5 x 2 g
PMe I D4	252-446-05	5 x 2 g



CE 0483

Ingot P I

Press ingots for pressing veneers, inlays, onlays.

Shade code	REF	Quantity
P I T1	252-451-05	5 x 2 g
P I T2	252-452-05	5 x 2 g
P I CT1	252-456-05	5 x 2 g
P I CT2	252-457-05	5 x 2 g
P I CT3	252-458-05	5 x 2 g



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T1 = transparent ingot / T2 = slightly less transparent ingot
CT 1 / CT2 / CT3 = transparency similar to tooth enamel, slightly coloured ingots



8 Shade Set

Set for zirconia veneering ceramic.

Contains the 8 most important A-D shades, Liner, Base Dentines, Dentines, Incisal and effect materials.
Compatible with ceramotion[®] PZr press-on ceramic.

REF 250-800-15	1 set
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CE 0483

Contents:

Designation	REF	Quantity
* Liner L 1	250-001-20	20 g
* Liner L 2	250-002-20	20 g
Liner L 3	250-003-20	20 g
Liner L 4	250-004-20	20 g
* Liner L 5	250-005-20	20 g
Liner L 6	250-006-20	20 g
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

Designation	REF	Quantity
Dentin D C3	250-052-20	20 g
Dentin D D3	250-055-20	20 g
* Incisal I 1	250-060-20	20 g
* 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
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
Correction C transpa	250-095-03	3 g
* Modelling Liquid	254-000-10	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

3 Shade Set (A2, A3, B2)

REF 250-900-15

* Elements from 3 Shade Set – some liquids with smaller containers.



Chroma Concept Set

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

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

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

REF 250-800-45	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Chroma Concept Liner CC L 1, bleach	250-221-20	20 g
Chroma Concept Liner CC L 2	250-222-20	20 g
Chroma Concept Liner CC L 3	250-223-20	20 g
Chroma Concept Liner CC L 4	250-224-20	20 g
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

Designation	REF	Quantity
Chroma Concept Dentin CC D 6	250-236-20	20 g
Chroma Concept Dentin CC D 7	250-237-20	20 g
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

Dentaurum

Online-Shop

ceraMotion[®] Zr – Zirconia ceramic



Touch Up Set

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

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

REF 250-800-50

1 set

CE 0483

Contents:

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

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



Stains Universal Set

Set containing the 8 most important stains (3 opaque shades and 5 characterisation shades) for internal and external effects.

REF 254-800-20	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Body Stains B ST A	254-220-02	2 g
Body Stains B ST B	254-221-02	2 g
Body Stains B ST C	254-222-02	2 g
Stains ST white	254-201-02	2 g
Stains ST orange	254-204-02	2 g

Designation	REF	Quantity
Stains ST blue	254-207-02	2 g
Stains ST olive green	254-209-02	2 g
Stains ST red brown	254-212-02	2 g
Stains Liquid	254-010-02	20 ml
Shade Disc Stains	254-105-00	1 piece

cera^{motion}_{Zr} – Zirconia ceramic



Liner L

For use on white ZrO₂ to ensure shade stability.

- for shade optimisation with coloured ZrO₂
- produces natural fluorescence in the veneer

Liquid: Powder BOL Liquid

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

CE⁰⁴⁸³

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



Liner Modifier LM

- customised accentuation of the Liner

Liquid: Powder BOL Liquid

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

CE⁰⁴⁸³

Zirconia ceramic – ceramotion® zr

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	250-081-20	20 g
SM B	250-082-20	20 g
SM C	250-083-20	20 g
SM D	250-084-20	20 g
SM white	250-085-20	20 g
SM transpa	250-086-20	20 g

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Gingival G

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

Liquid: Modelling Liquid, Modelling Liquid +

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

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ceraMotion[®] Zr – Zirconia 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 unfavourable 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

CE⁰⁴⁸³



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: 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

CE⁰⁴⁸³



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

CE 0483

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

cera^{motion}_{Zr} – Zirconia ceramic



Dentin Modifier Chroma DM C

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Dentin Modifier Fluo DM F

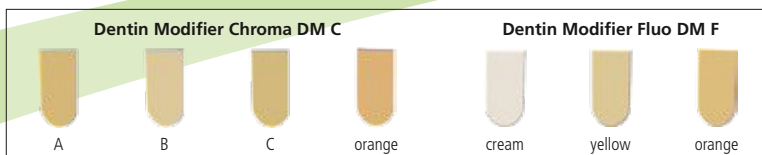
Dentin effect material with increased fluorescence

- controls the brightness value

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Zirconia ceramic – ceramotion[®] zt

Incisal I

Standard Incisal material

- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Incisal Opal IO

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



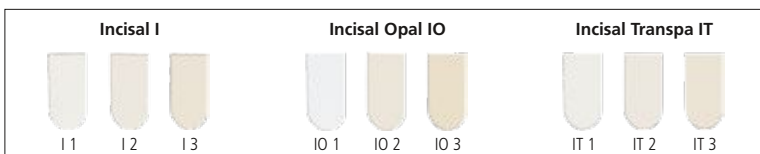
Incisal Transpa IT

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



ceraMotion[®] Zr – Zirconia ceramic



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

CE⁰⁴⁸³



Incisal Modifier IM

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE⁰⁴⁸³

Transpa T



transpa

Incisal Modifier IM



opal honey



opal white



opal blue



opal grey



grey

Zirconia ceramic – ceraMotion[®] Zr

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



CE 0483

Chroma Concept Dentin CC D

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

Liquid: Modelling Liquid, Modelling Liquid +

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



CE 0483

Chroma Concept Incisal CC I

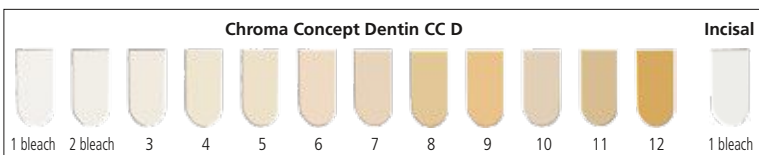
light Incisal bleaching material

Liquid: Modelling Liquid, Modelling Liquid +

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



CE 0483



ceraMotion[®] Zr – Zirconia ceramic



Touch Up Base Dentin TU BD

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

- greater reliability due to highly condensed fitting surfaces

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Touch Up Dentin TU D

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

- highly condensed marginal ridges enhance the aesthetics

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Touch Up Incisal TU I

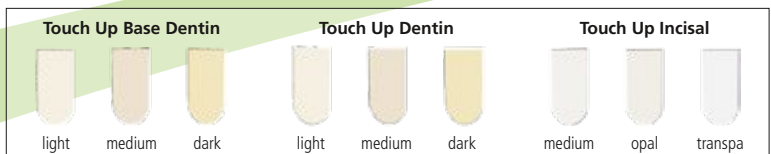
Low-fusing material for correction and glaze firing in one.

- highly condensed marginal ridges enhance the aesthetics

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Zirconia ceramic – ceramotion[®] Zr

Correction C

LFC material, used for minor corrections.

Firing temperature: 715 °C / 1319 °F

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Glaze GL

Glaze material for mixing with Stains and Body Stains.

Liquid: Stains Liquid

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

CE 0483



ceramotion[®] Zr – Zirconia ceramic



Body Stains B ST

Stains

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

Liquid: Stains Liquid

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

CE⁰⁴⁸³



Stains ST

Stains

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

Liquid: Stains Liquid

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

CE⁰⁴⁸³

Zirconia ceramic – ceraMotion® Zr

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



Powder BOL Liquid

For mixing the Powder Bonder, Powder Opaque, Powder Liner.

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



Shoulder Liquid

For mixing the shoulder materials.

- increases the positional stability

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



Stains Liquid

For mixing the stains and the glaze/glaze material.

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



ceraMotion[®] Zr – Zirconia ceramic



Contrast Marker

For coloring mixed ceramic materials.

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

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

ceraMotion® PZr – Press-on ceramic



Press Liner PZr L

For use on white ZrO₂ to ensure shade stability.

- for shade optimisation with coloured ZrO₂
- produces natural fluorescence in the veneer

Liquid: Powder BOL Liquid

Shade code	REF	Quantity
PZr L A1	250-401-20	20 g
PZr L A2	250-402-20	20 g
PZr L A3	250-403-20	20 g
PZr L A3,5	250-404-20	20 g
PZr L A4	250-405-20	20 g
PZr L B1	250-406-20	20 g
PZr L B2	250-407-20	20 g
PZr L B3	250-408-20	20 g
PZr L B4	250-409-20	20 g
PZr L C1	250-410-20	20 g
PZr L C2	250-411-20	20 g
PZr L C3	250-412-20	20 g
PZr L C4	250-413-20	20 g
PZr L D2	250-414-20	20 g
PZr L D3	250-415-20	20 g
PZr L D4	250-416-20	20 g

CE⁰⁴⁸³



Ingot PZr I

Press ingots for pressing on zirconia.

Shade code	REF	Quantity
PZr I A1	250-431-05	5 x 2 g
PZr I A2	250-432-05	5 x 2 g
PZr I A3	250-433-05	5 x 2 g
PZr I A3,5	250-434-05	5 x 2 g
PZr I A4	250-435-05	5 x 2 g
PZr I B1	250-436-05	5 x 2 g
PZr I B2	250-437-05	5 x 2 g
PZr I B3	250-438-05	5 x 2 g
PZr I B4	250-439-05	5 x 2 g
PZr I C1	250-440-05	5 x 2 g
PZr I C2	250-441-05	5 x 2 g
PZr I C3	250-442-05	5 x 2 g
PZr I C4	250-443-05	5 x 2 g
PZr I D2	250-444-05	5 x 2 g
PZr I D3	250-445-05	5 x 2 g
PZr I D4	250-446-05	5 x 2 g

CE⁰⁴⁸³



8 Shade Set

Set for veneering ceramic for titanium frameworks and titanium alloys.

Contains the 8 most important A-D shades, Powder Opaque, Base Dentines, Dentines, Incisal and effect materials.

REF 251-800-15	1 set
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CE 0483

Contents:

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

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

3 Shade Set (A2, A3, B2)

REF 251-900-15

* Elements from 3 Shade Set – some liquids with smaller containers.

Titanium ceramic – **ceraMotion[®]**_{Ti}



REF 251-800-45	1 set
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CE 0483

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

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

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

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

Online-Shop

Dentaurum



ceraMotion®_{Ti} – Titanium ceramic



Touch Up Set

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

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

REF 251-800-50

1 set

CE 0483

Contents:

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

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



Stains Universal Set

Set containing the 8 most important stains (3 opaque shades and 5 characterisation shades) for internal and external effects.

REF 254-800-20	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Body Stains B ST A	254-220-02	2 g
Body Stains B ST B	254-221-02	2 g
Body Stains B ST C	254-222-02	2 g
Stains ST white	254-201-02	2 g
Stains ST orange	254-204-02	2 g

Designation	REF	Quantity
Stains ST blue	254-207-02	2 g
Stains ST olive green	254-209-02	2 g
Stains ST red brown	254-212-02	2 g
Stains Liquid	254-010-02	20 ml
Shade Disc Stains	254-105-00	1 piece

ceraMotion®_{Ti} – Titanium ceramic



Bonder B

Powder Bonder

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

Liquid: Powder BOL Liquid

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

CE⁰⁴⁸³



Paste Bonder PB

Paste Bonder

- produces an optimal bond strength between the titanium framework and ceramic
- direct use
- easy, uncomplicated application

Liquid: Paste Liquid

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

CE⁰⁴⁸³



Opaque O

Powder Opaque

- 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

CE⁰⁴⁸³

Opaque Modifier OM

- customised accentuation of the Powder Opaque

Liquid: Powder BOL Liquid

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

CE 0483



Shoulder SM

Shoulder material

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

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

Liquid: Shoulder Liquid

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

CE 0483



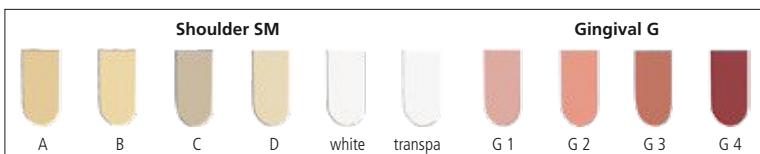
Gingival G

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



ceraMotion®_{Ti} – Titanium 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 unfavourable 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

CE⁰⁴⁸³



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: 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

CE⁰⁴⁸³



Dentin D

Standard Dentin

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

Liquid: Modelling Liquid, Modelling Liquid +



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

CE 0483

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

ceraMotion®_{Ti} – Titanium ceramic



Dentin Modifier Chroma DM C

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

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

CE 0483



Dentin Modifier Fluo DM F

Dentin effect material with increased fluorescence

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

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

CE 0483



Incisal I

Standard Incisal material

- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Incisal Opal IO

- for alternate layering incisally
- opalescent: bluish effect in reflected light
- orange-coloured 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

CE 0483



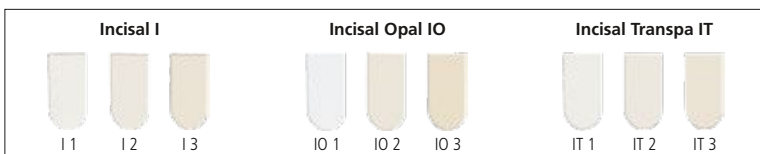
Incisal Transpa IT

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



ceraMotion®_{Ti} – Titanium ceramic



Transpa T

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

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

CE 0483



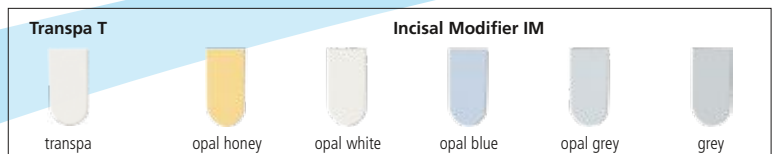
Incisal Modifier IM

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Titanium ceramic – **ceraMotion[®]** Ti

Chroma Concept Opaque CC O

Chroma Powder Opaque

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

Liquid: Powder BOL Liquid

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

CE 0483



Chroma Concept Dentin CC D

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



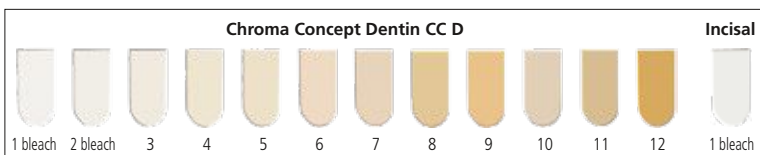
Chroma Concept Incisal CC I

light Incisal bleaching material

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



ceraMotion®_{Ti} – Titanium ceramic



Touch Up Base Dentin TU BD

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

- greater reliability due to highly condensed fitting surfaces

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Touch Up Dentin TU D

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

- highly condensed marginal ridges enhance the aesthetics

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Touch Up Incisal TU I

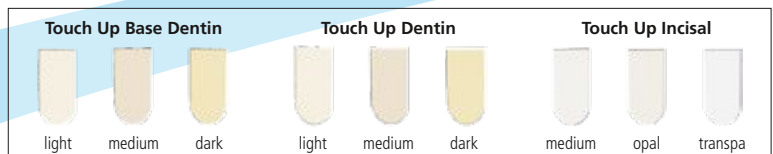
Low-fusing material for correction and glaze firing in one.

- highly condensed marginal ridges enhance the aesthetics

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Titanium ceramic – **ceraMotion[®]** Ti

Correction C

LFC material, used for minor corrections.

Firing temperature: 715 °C / 1319 °F

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Glaze GL

Glaze material for mixing with Stains and Body Stains.

Liquid: Stains Liquid

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

CE 0483



ceraMotion®_{Ti} – Titanium ceramic



Body Stains B ST

Stains

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

Liquid: Stains Liquid

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

CE⁰⁴⁸³



Stains ST

Stains

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

Liquid: Stains Liquid

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

CE⁰⁴⁸³

Titanium ceramic – **ceraMotion[®]**_{Ti}

Modelling Liquid

Standard liquid for mixing the ceramic materials.

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



Modelling Liquid +

Modelling liquid with slightly increased viscosity.

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



Paste Liquid

For adjusting the viscosity of the pastes.

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



Powder BOL Liquid

For mixing the Powder Bonder, Powder Opaque, Powder Liner.

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



Shoulder Liquid

For mixing the shoulder materials.

- increases the positional stability

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



Stains Liquid

For mixing the stains and the glaze/glaze material.

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



ceraMotion®_{Ti} – Titanium ceramic



Contrast Marker

For coloring mixed ceramic materials.

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

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



8 Shade Set

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

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

REF 253-800-10	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Paste Opaque PO base	253-550-03	3 g
Paste Opaque PO A1	253-501-03	3 g
Paste Opaque PO A2	253-502-03	3 g
Paste Opaque PO A3	253-503-03	3 g
Paste Opaque PO A3,5	253-504-03	3 g
Paste Opaque PO B2	253-507-03	3 g
Paste Opaque PO B3	253-508-03	3 g
Paste Opaque PO C3	253-512-03	3 g
Paste Opaque PO D3	253-515-03	3 g
Base Dentin BD 1	253-021-20	20 g
Base Dentin BD 2	253-022-20	20 g
Base Dentin BD 3	253-023-20	20 g
Base Dentin BD 4	253-024-20	20 g
Base Dentin BD 5	253-025-20	20 g
Base Dentin BD 7	253-027-20	20 g
Base Dentin BD 8	253-028-20	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 Chroma DM C orange	253-114-20	20 g
Dentin Modifier Fluo DM F yellow	253-116-20	20 g
Glaze GL transpa	253-270-02	2 g
Correction C transpa	253-095-03	3 g
Modelling Liquid	254-000-10	100 ml
Paste Liquid	254-006-02	20 ml
Stains Liquid	254-010-02	20 ml
Shade Disc Incisal	254-100-00	1 piece

Low-fusing ceramic – ceraMotion[®] LF

Paste Opaque PO

Paste Opaque

- can be universally used with all non-precious and LF precious metal alloys, as well as for galvano gold
- slow cooling is not required with any firing cycles
- good, dense coverage of the metal substructure
- easy, uncomplicated application
- silky glaze

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

Liquid: Paste Liquid



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

CE 0483

Paste Opaque Modifier POM

- customised accentuation of the Paste Opaque

Liquid: Paste Liquid

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



CE 0483

ceraMotion[®] Lf – Low-fusing ceramic



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

CE⁰⁴⁸³



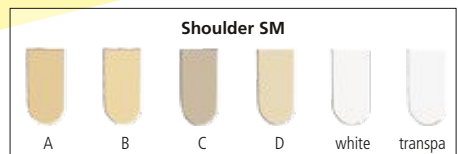
Gingival G

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE⁰⁴⁸³



Low-fusing ceramic – **ceraMotion[®] Lf**

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 unfavourable 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

CE 0483

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	

Online-Shop

Dentaurum

ceraMotion[®] Lf – Low-fusing ceramic



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

CE⁰⁴⁸³

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

Dentin Modifier Chroma DM C

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

Shade code	REF	Quantity
DM C A	253-111-20	20 g
DM C B	253-112-20	20 g
DM C C	253-113-20	20 g
DM C orange	253-114-20	20 g

CE 0483



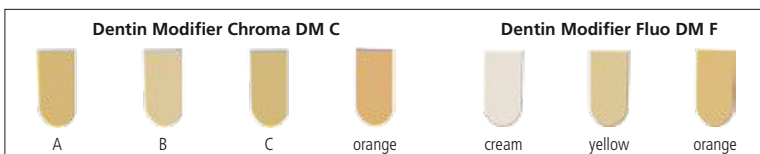
Dentin Modifier Fluo DM F

Dentin effect material with increased fluorescence

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

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

CE 0483



ceraMotion[®] Lf – Low-fusing ceramic



Incisal I

Standard Incisal material

- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Incisal Opal IO

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



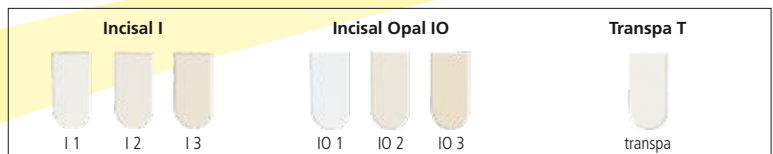
Transpa T

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

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Chroma Concept Paste Opaque CC PO

Chroma Paste Opaque

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

Liquid: Paste Liquid

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

CE 0483



Chroma Concept Dentin CC D

- pure or mixed, for extending the colour space
- same opaque characteristics as Dentin
- white and light Dentin bleaching 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

CE 0483



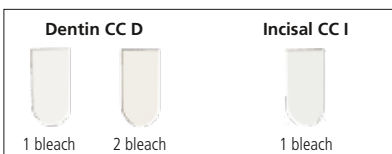
Chroma Concept Incisal CC I

light Incisal bleaching material

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



ceraMotion[®] Lf – Low-fusing ceramic



Correction C

LFC material, used for minor corrections.

Firing temperature: 745 °C / 1373 °F

Liquid: Modelling Liquid, Modelling Liquid +

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

CE 0483



Glaze GL

Glaze material for mixing with Lf Stains and Lf Body Stains.

Liquid: Stains Liquid

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

CE 0483

Lf Body Stains LF BST

Stains

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

Liquid: Stains Liquid



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



CE 0483

Lf Stains LF ST

Stains

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

Liquid: Stains Liquid



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



CE 0483

ceraMotion[®] Lf – Low-fusing ceramic



Modelling Liquid

Standard liquid for mixing the ceramic materials.

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



Modelling Liquid +

Modelling liquid with slightly increased viscosity.

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



Paste Liquid

For adjusting the viscosity of the pastes.

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



Shoulder Liquid

For mixing the shoulder materials.

- increases the positional stability

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



Stains Liquid

For mixing the stains and the glaze/glaze material.

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

Contrast Marker

For coloring mixed ceramic materials.

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



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

ceraMotion® – Ceramic accessories



A-D Shade Guide

Shade guide for ceraMotion® ceramic materials.

REF 260-300-20

1 piece



Shade Disc Incisal

Shade disc for Incisal materials.

REF 254-100-00

1 piece



Shade Disc Modifier

Shade disc for effect materials.

REF 254-101-00

1 piece



Shade Disc Chroma Concept / Bleach

Shade disc for Chroma Concept.

REF 254-102-00

1 piece



Shade Disc Touch Up

Shade disc for Touch Up.

REF 254-103-00

1 piece

Ceramic accessories – **ceraMotion®**

Shade Disc Shoulder / Gingival

Shade disc for Shoulder/Gingival.

REF 254-104-00

1 piece



Shade Disc Stains

Shade disc for Stains.

REF 254-105-00

1 piece



Shade sample former

For easy preparation of bakesamples.

REF 260-315-00

1 piece



Firing tray with holders

REF 260-300-03

1 piece



Holders for firing tray

REF 260-300-13

6 pieces



Carbon fibre chips

• for purge of ceramic furnaces

REF 260-317-00

10 pieces



ceraMotion® – Ceramic accessories



Glass instrument for bonder and opaque

REF 291-000-00

1 piece



Glass slab for Stains and materials

Dimensions (L x W x H): 280 x 160 x 10 mm

REF 260-302-00

1 piece



Fleece replacement for glass slab

REF 260-303-00

5 pieces



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



Ring former

Special ring former with silicone ring included for press ceramic investing procedures.

The silicone ring enables the casting ring to be easily removed after the investment has set.

Capacity	REF	Quantity
100 g	260-360-10	1 piece
200 g	260-360-20	1 piece



Press plunger

Reusable aluminium oxide press plunger.

REF 260-365-01

1 piece



Disposable press plunger

Disposable investment press plunger for single use.

No time consuming cleaning of the press plunger.

REF 260-365-05

20 pieces

Ceramic accessories – **ceraMotion®**

EsprıVest Ultra

Die investment for exact reproduction of individual dies for inlays, onlays, veneers or all-ceramic crowns.

Advantages:

- reproduction of the finest details due to high flowability
- increased strength of the investment for stable edges and exact repositioning in any model system
- homogeneous and dense surface for accurate reproduction of detail in the ceramic
- perfectly matched to Dentaureum ceramic systems

Norm: DIN EN ISO 15912

Type 4

Class 1

Working time	8-9 min
Preheating	Heating with holding time
Preheating temperature	750 °C / 1382 °F
Compression resistance	22 MPa
Color	white

REF 260-336-00

250 g



EsprıVest Ultra mixing liquid

80 ml mixing liquid are sufficient for 250 g investment material.

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

REF 260-337-00

100 ml



ceraMotion® – Ceramic accessories



Duplicating flask

The Dentaurem duplicating flask is used for duplicating when fabricating inlays, onlays, laminate veneers and jacket crowns. It ensures cost-effective use of both duplicating silicone and refractory die material. The duplicating flask also saves material when reproducing single dies. Two dies can be duplicated simultaneously in one flask, depending on the size of the dies.

Version	REF	Quantity
with putty	260-331-00	1 piece
without putty	260-332-00	1 piece



Aluminium top section for duplicating flask

REF 260-333-00	1 piece
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Plastic lower section for duplicating flask

REF 260-334-00	1 piece
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Putty for duplicating flask

REF 260-335-00	1 piece
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Crowns and bridges.

A wide spectrum for
high quality dental restorations.



- Ceramics ■
- Crowns and bridges ■**
- Cast partial denture ■
- Titanium ■
- Finishing ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■
- Pliers | Instruments ■
- Equipment ■
- Implantology ■
- Knowledge ■
- Courses ■
- Service ■



Biocompatible dental restorations.

Both the remanium® alloys and the DentAurum precious metal alloys are free from medically questionable additives. Strict production controls guarantee consistent quality.

Well coordinated assortment.

The alloys and investments are so well coordinated that clean and accurately fitting castings are produced. The ceramic veneering also results in natural, highly esthetic structures.



remanium® C+B alloys

Non-precious and corrosion resistant.

DentAurum alloys

Precious alloys for crown and bridgework.

C+B investment materials

For all types of alloys.

C+B modelling waxes

For all types of application.

C+B accessories

Accessories for crown and bridgework.

remanium®

C+B alloys:

Aesthetical and functional dental restorations for every budget.

A wide field of indications.

The remanium® crown and bridge alloys give you the opportunity to use just one material for an entire range of fixed dental restorations. Proven remanium® alloys are available not only for the casting technique but also for the milling or laser melting technique.

Highest biocompatibility.

Resistance to corrosion and biocompatibility depends upon the chemical composition. remanium® CoCr and remanium® NiCr alloys are highly resistant to corrosion.

All remanium® crown and bridge alloys are free of beryllium, gallium, indium and cadmium. remanium® CoCr alloys are free of nickel.



remanium® NiCr alloys at a glance.

	remanium® CS+	remanium® CSe	remanium® G-soft																								
Characteristics	NiCr bonding alloy with outstanding ceramic bond. Square ingots for quick reliable casting.	NiCr bonding alloy with very user-friendly processing properties.	Proven NiCr alloy for crown and bridge work and composite veneering.																								
Indication	<ul style="list-style-type: none"> ■ Crowns and bridges ■ Metal ceramics ■ Double crowns ■ Implant supported supra structures ■ Maryland bridges 	<ul style="list-style-type: none"> ■ Crowns and bridges ■ Metal ceramics ■ Double crowns ■ Implant supported supra structures ■ Maryland bridges 	<ul style="list-style-type: none"> ■ Crowns and bridges ■ Double crowns ■ Implant supported supra structures ■ Maryland bridges 																								
Advantages	<ul style="list-style-type: none"> ■ excellent porcelain bond – also with several firing cycles ■ no long-term cooling of the ceramic required ■ beryllium free, biocompatible ■ excellent melting and casting characteristics ■ maximum corrosion resistance 	<ul style="list-style-type: none"> ■ very easy processing due to considerably reduced hardness ■ no long-term cooling of the ceramic required ■ beryllium free, biocompatible ■ quick, easy melting 	<ul style="list-style-type: none"> ■ excellent melting and casting characteristics ■ easy polishing and high lustre ■ high corrosion resistance ■ high strength for delicate frameworks ■ ideal for melting with a flame 																								
Composition (Percentage by mass)	<table border="1"> <tr><td>Ni</td><td>Cr</td><td>Mo</td><td>Si</td></tr> <tr><td>61</td><td>26</td><td>11</td><td>1.5</td></tr> </table>	Ni	Cr	Mo	Si	61	26	11	1.5	<table border="1"> <tr><td>Ni</td><td>Cr</td><td>Mo</td><td>Si</td></tr> <tr><td>61</td><td>26</td><td>11</td><td>1.5</td></tr> </table>	Ni	Cr	Mo	Si	61	26	11	1.5	<table border="1"> <tr><td>Ni</td><td>Cr</td><td>Mo</td><td>Si</td></tr> <tr><td>66</td><td>26.5</td><td>5</td><td>1.5</td></tr> </table>	Ni	Cr	Mo	Si	66	26.5	5	1.5
Ni	Cr	Mo	Si																								
61	26	11	1.5																								
Ni	Cr	Mo	Si																								
61	26	11	1.5																								
Ni	Cr	Mo	Si																								
66	26.5	5	1.5																								
Other < 1%	Co, Fe, Ce	Co, Fe, Ce	Mn, B																								

Summary relevant characteristics

Melting	+++	+++	+++
Castability	+++	+++	+++
Propane/oxygen melt	+++	+++	+++
Trimming	+++	+++	+++
Milling	+++	+++	+++
Ceramic bonding	+++	+++	–
Polishing	+++	+++	+++
Oxid bake	no	no	no
Soldering with NiCr Solder	REF 102-302-00	REF 102-302-00	REF 102-302-00
Laser welding	+++ NiCr welding wire REF 528-220-00	+++ 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	Trivest, Castorit® all speed, Castorit®-super C, rema® CC

Mechanical characteristics

0.2% Yield strength R _{0.02}	340 MPa	340 MPa	310 MPa
Tensile strength R _m	580 MPa	580 MPa	550 MPa
Modulus of elasticity E	170 GPa	170 GPa	165 GPa
Hardness	195 HV 10	195 HV 10	210 HV 10
Elongation A ₅	15 %	15 %	8 %
Solidus temperature	1260 °C / 2300 °F	1260 °C / 2300 °F	1210 °C / 2210 °F
Liquidus temperature	1350 °C / 2462 °F	1350 °C / 2462 °F	1240 °C / 2264 °F
Density	8.2 g/cm ³	8.2 g/cm ³	8.2 g/cm ³
CTE (25–500 °C/77–932 °F)	14 x 10 ⁻⁶ K ⁻¹	14 x 10 ⁻⁶ K ⁻¹	–

Ordering informations

Availability	50 g REF 102-401-00 250 g REF 102-402-00 1000 g REF 102-403-00	50 g REF 102-401-05 1000 g REF 102-403-05	1000 g REF 100-001-00
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Safety through certified quality

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

+++ = excellent – = not suitable

Crowns and bridges

remanium® CoCr alloys at a glance.

	remanium® star	remanium® secura																				
Characteristics	Modern bonding alloy with excellent processing characteristics and low hardness. Suitable for use with all processing technologies.	CoCr bonding alloy with maximum reliability potential during processing. Excellent casting behaviour, including with vacuum pressure casting.																				
Indication	<ul style="list-style-type: none"> ■ Crowns and bridges ■ Metal ceramics ■ Double crowns ■ Implant supported supra structures ■ Maryland bridges ■ Secondary structures for cast partial denture (Combination work) 	<ul style="list-style-type: none"> ■ Crowns and bridges ■ Metal ceramics ■ Double crowns ■ Implant supported supra structures ■ Maryland bridges ■ Secondary structures for cast partial denture (Combination work) 																				
Advantages	<ul style="list-style-type: none"> ■ extremely easy to work with, especially when milling or polishing due to the reduced hardness ■ suitable for processing technologies such as casting, milling and laser melting ■ excellent ceramic bake because of the low thermal expansion coefficient ■ oxide bake is not necessary ■ long-term cooling is only recommended with long-span bridges ■ particularly recommended for telescope work ■ suitable for laser welding because carbon-free 	<ul style="list-style-type: none"> ■ reliable melting and casting characteristics, especially with vacuum/pressure casting, resulting from the narrow melting range ■ small ingots (4 g) allow exact portioning of the alloy: ideal and economical filling of the crucible ■ no danger of spattering or increased slagging ■ high mechanical strength thanks to tantalum mixed-crystal reinforcement ■ optimised bake behaviour of the veneering ceramic through low oxidation 																				
Composition (Percentage by mass)	<table border="1"> <thead> <tr> <th>Co</th> <th>Cr</th> <th>W</th> <th>Si</th> </tr> </thead> <tbody> <tr> <td>60.5</td> <td>28</td> <td>9</td> <td>1.5</td> </tr> </tbody> </table>	Co	Cr	W	Si	60.5	28	9	1.5	<table border="1"> <thead> <tr> <th>Co</th> <th>Cr</th> <th>W</th> <th>Mo</th> <th>Si</th> <th>Ta</th> </tr> </thead> <tbody> <tr> <td>58</td> <td>30</td> <td>5.5</td> <td>3</td> <td>1.5</td> <td>1.25</td> </tr> </tbody> </table>	Co	Cr	W	Mo	Si	Ta	58	30	5.5	3	1.5	1.25
Co	Cr	W	Si																			
60.5	28	9	1.5																			
Co	Cr	W	Mo	Si	Ta																	
58	30	5.5	3	1.5	1.25																	
Other < 1%	Mn, N, Nb	N																				

Summary relevant characteristics

Melting	+++	+++
Castability	+++	+++
Propane/oxygen melt	+++	+++
Trimming	+++	++
Milling	+++	+
Ceramic bonding	+++	+++
Polishing	+++	+++
Oxid bake	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 characteristics

0.2 % Yield strength $R_{p0.2}$	620 MPa	760 MPa
Tensile strength R_m	845 MPa	940 MPa
Modulus of elasticity E	190 GPa	211 GPa
Hardness	280 HV 10	340 HV 10
Elongation A_5	10.2 %	5.3 %
Solidus temperature	1320 °C / 2408 °F	1329 °C / 2424 °F
Liquidus temperature	1420 °C / 2588 °F	1385 °C / 2525 °F
Density	8.6 g/cm ³	8.6 g/cm ³
CTE (25–500 °C/77–932 °F)	14.1 x 10 ⁻⁶ K ⁻¹	14.4 x 10 ⁻⁶ K ⁻¹

Ordering informations

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
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Safety through certified quality 0483

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

remanium® 2000+						remanium® 2001					remanium® LFC																																		
Clinically time-tested CoCr bonding alloy with low CTE value.						CoCr bonding alloy with very good price-performance ratio. Easy processing characteristics.					CoCr bonding alloy with a high CTE value for low-fusing, high-expansion veneering ceramics.																																		
<ul style="list-style-type: none"> ■ Crowns and bridges ■ Metal ceramics ■ Double crowns ■ Implant supported supra structures ■ Maryland bridges ■ Secondary structures for cast partial denture (Combination work) 						<ul style="list-style-type: none"> ■ Crowns and bridges ■ Metal ceramics ■ Double crowns ■ Maryland bridges 					<ul style="list-style-type: none"> ■ Crowns and bridges ■ Metal ceramics ■ Double crowns ■ Secondary structures for cast partial denture (Combination work) 																																		
<ul style="list-style-type: none"> ■ clinically time-tested ■ exceptionally free-flowing ■ flexibility in casting: can be melted in a high frequency induction casting unit, or with the propane/oxygen torch ■ oxide bake is not necessary ■ suitable for laser welding because carbon-free 						<ul style="list-style-type: none"> ■ very good price-performance ratio ■ exceptionally free-flowing ■ flexibility in casting: can be melt in a high frequency induction casting unit, or with the propane/oxygen torch ■ increased efficiency: oxide bake is not necessary ■ suitable for laser welding because carbon-free 					<ul style="list-style-type: none"> ■ specially for metal ceramics with low-fusing veneering ceramics (LFC), which have a matched CTE ■ excellent melting and casting behaviour with all melting and casting techniques ■ effortless trimming and polishing ■ free from nickel and beryllium ■ high mechanical strength 																																		
<table border="1"> <tr><td>Co</td><td>Cr</td><td>Mo</td><td>W</td><td>Si</td></tr> <tr><td>61</td><td>25</td><td>7</td><td>5</td><td>1.5</td></tr> </table>						Co	Cr	Mo	W	Si	61	25	7	5	1.5	<table border="1"> <tr><td>Co</td><td>Cr</td><td>Mo</td><td>W</td><td>Si</td></tr> <tr><td>63</td><td>23</td><td>7.3</td><td>4.3</td><td>1.6</td></tr> </table>					Co	Cr	Mo	W	Si	63	23	7.3	4.3	1.6	<table border="1"> <tr><td>Co</td><td>Cr</td><td>Fe</td><td>Mo</td><td>Mn</td></tr> <tr><td>33</td><td>30</td><td>29</td><td>5</td><td>1.5</td></tr> </table>					Co	Cr	Fe	Mo	Mn	33	30	29	5	1.5
Co	Cr	Mo	W	Si																																									
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Mn, N						Mn, N					Si, N, C																																		
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700 MPa						660 MPa					660 MPa																																		
900 MPa						850 MPa					950 MPa																																		
200 GPa						195 GPa					200 GPa																																		
340 HV 10						336 HV 10					315 HV 10																																		
7 %						5,5 %					11 %																																		
1290 °C / 2354 °F						1325 °C / 2417 °F					1280 °C / 2336 °F																																		
1415 °C / 2579 °F						1415 °C / 2579 °F					1350 °C / 2462 °F																																		
8.6 g/cm ³						8.6 g/cm ³					8.2 g/cm ³																																		
14 x 10 ⁻⁶ K ⁻¹						14.2 x 10 ⁻⁶ K ⁻¹					15.9 x 10 ⁻⁶ K ⁻¹																																		
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					50 g REF 102-641-00 250 g REF 102-642-00 1000 g REF 102-640-00																																		

+++ = excellent ++ = very good

¹ LFC = Low-fusing ceramic



For excellent bio-compatibility and perfect aesthetics.

Three precious metal alloys with a high gold content.



The casting alloy with extra high strength.



The ceramic bonding alloy for conventional ceramics.

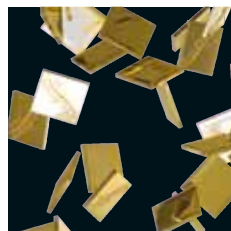
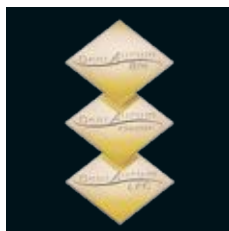


The ceramic bonding alloy for low-fusing ceramics.

Large Spectrum of Use.

The precious metal alloy DentAurum can be used for all dental technical work in particular:

- Metal inlays
- Crowns and bridges of any span
- Telescope and milling



Precious metal alloys at a glance.

	Composition (percentage by mass)												
	Norm	Type ¹	Indication ²	Color	Au	Pt	Pd	Au- and Pt- metals	Ag	Cu	In	Zn	Other
DentAurum Classic Casting alloy	DIN EN ISO 22674	4	1, 2, 4, 5, 6	yellow	70.0	3.9	2.0	76.0	13.0	9.5	–	1.5	0.1 Ir
DentAurum Bio Ceramic bonding alloy ³	DIN EN ISO 9693 DIN EN ISO 22674	4	1, 2, 3, 4, 5, 6	yellow	86.2	11.5	–	98.1	–	–	–	1.5	0.4 Ru 0.3 Ta 0.1 Mn
DentAurum LFC Ceramic bonding alloy ⁴	DIN EN ISO 9693 DIN EN ISO 22674	4	1, 2, 3, 4, 5, 6	yellow	73.8	9.0	–	82.9	9.2	4.4	1.5	2.0	0.1 Ir

	Further heating after melting (s)						CTE 25–500/600 °C 77–932 °F/1112 °F (10 ⁻⁶ K ⁻¹)	Solders	
	Melting interval (°C/°F)	Pre-heating temperature (°C/°F)	Melting temperature (°C/°F)	electric	induction	Torch		Main solder DentAurum S 825	Repair solder DentAurum S 760
DentAurum Classic Casting alloy	895–935/ 1643 – 1715	700/1292	1070/1958	15–20	5–8	5–8			
DentAurum Bio Ceramic bonding alloy ³	1035–1100/ 1895 – 2012	850/1562	1250/2282	60–90	5–10	5–10	14.1/14.3	Before firing DentAurum S 1020	After firing DentAurum S 720 (copper free)
DentAurum LFC Ceramic bonding alloy ⁴	900–980/ 1652 – 1796	700/1292	1120/2048	15–20	5–8	5–8	16.2/16.6	Before firing DentAurum S 880	After firing DentAurum S 720 (copper free)

	Density (g/cm ³)			Hardness (HV5/30)			0.2 % Yield strength R _{0.2} (MPa)			Elongation (%)			Tempering	
	w	a	g/b	w	a	g/b	w	a	g/b	Recrystallization 15 min °C / °F	Hardening 15 min °C / °F			
DentAurum Classic Casting alloy	15.4	170	245	245	385	640	600	20	9	12	700 / 1292	400 / 752		
DentAurum Bio Ceramic bonding alloy ³	19.1	150	170	190	340	500	515	35	13	12	800 / 1472	450 / 842		
DentAurum LFC Ceramic bonding alloy ⁴	16.6	150	250	205	340	625		28	15		800 / 1472	400 / 752		

	Conversion table for the total amount metal required according to the wax pattern weight ⁵ (g)													
	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	3.0	4.0	5.0	
DentAurum Classic Casting alloy	3.5	6.9	10.3	13.7	17.2	20.6	24.0	27.4	30.8	34.3	51.4	68.5	85.6	
DentAurum Bio Ceramic bonding alloy ³	4.3	8.5	12.8	17.0	21.2	25.5	29.8	34.0	38.2	42.5	63.7	84.9	106.2	
DentAurum LFC Ceramic bonding alloy ⁴	3.7	7.4	11.1	14.7	18.4	22.1	25.8	29.5	33.2	36.9	55.3	73.8	92.2	

¹ Type: 1 Low strength; 2 Medium strength; 3 High strength; 4 Extra-high strength

² Indication: (1) Crowns and bridges with a span of up to 2 pontics between abutment teeth; (2) Crowns and bridges with any span; (3) Metal ceramics; (4) Telescope and milled work; (5) Metal inlays; (6) non-precious model casting alloys and supra-structures

³ For bonding ceramics with conventional firing temperatures and conventional CTE.

⁴ For low firing, high expansion bonding ceramics.

⁵ Metal weights apply for the vacuum pressure casting method. For the centrifugal casting method another 5 g of material should be added for the casting button.

w = soft

a = hardened

g/b = after casting or firing

C+B investment materials.

Accurate in precision and handling.

Largest range of investment material.

Dentaurum covers a whole spectrum of techniques with its large range of investment material. Whether for metal dentures or crown and bridge techniques, whether for the conventional method or for speed preheating, whether for precious metal alloys, non-precious metal alloys or titanium, the world's largest manufacturer of investment materials can offer the right investment for each individual technique.

Batch consistency throughout due to strict controls and final check.

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



rema[®]
CC R

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

rema[®]
TT R

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


CASTORIT[®]
all speed

The speed-technology without compromise for an efficient operating cycle. Expansion precisely adjustable for all applications. Long processing times and a very creamy consistency after mixing allows easy handling.

Castorit[®]-super C The "classic" for all non-precious alloys.

Trivest

The crown and bridge investment for non precious alloys. Excellent control of expansion. Due to high expansion recommended for the double crown technique.

DentAurum Vest The innovative investment material especially for precious alloys: the top in accuracy of fit.



Crown and bridge investment materials at a glance.

	rema [®] CC	rema [®] TT	Castorit [®] all speed	
Characteristics	Universal speed investment for all indications, alloys and press ceramics.	High expansion, special investment material for non-precious alloys.	High expansion, individually controllable speed investment material for all alloys.	
Indication	<ul style="list-style-type: none"> For precious and non-precious metal alloys as well as press ceramics. 	<ul style="list-style-type: none"> For telescopic crowns made from non-precious alloys. 	<ul style="list-style-type: none"> For all indications and alloys (except titanium). 	
Advantages	<ul style="list-style-type: none"> a unique investment for all applications maximum stability with all preheating techniques precisely targeted expansion control for precious metal alloys, non-precious metal alloys and press ceramics free choice of investment systems (metal ring or ringless) high accuracy even with long-span bridges 	<ul style="list-style-type: none"> precisely matched to the requirements of telescope work in combination with non-precious metal alloys accurate expansion control for producing the correct fit and friction very good overall expansion high stability with all sizes of casting rings and preheating techniques high surface smoothness 	<ul style="list-style-type: none"> place into furnace at a final temperature of 950 °C/1742 °F or in stages overnight its high expansion ensures a highly accurate fit long working times and very creamy mixing consistency extremely smooth casting surfaces for a uniform casting quality 	
Inlays, Onlays (Precious alloys)	+++	–	++	
Crowns, bridges	+++	+	+++	
Implant supportes supra structures	+++	+	+++	
Attachment work	+++	++ +	+++	
Summary relevant characteristics				
Preheating	<ul style="list-style-type: none"> Speed process Consistent heating Heating with holding time 	<ul style="list-style-type: none"> Speed process Consistent heating Heating with holding time 	<ul style="list-style-type: none"> Speed process Consistent heating Heating with holding time 	
Mixing consistency	+++	+++	+++	
Working time	+++	++	+++	
Deflasking behaviour	+++	++	++	
Surface smoothness	+++	+++	+++	
Ordering informations				
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)	REF 105-740-00 6 kg (100 x 60 g) REF 105-741-00 6 kg (40 x 150 g) REF 105-742-80 20 kg (8 x 2.5 kg)	
Mixing liquid	REF 105-845-00 1 l (Standard) REF 105-846-00 1 l (HE Liquid)	REF 106-707-00 1 l (Standard)	REF 105-745-00 1 l (Standard)	

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

Castorit®-super C	Trivest	DentAurum Vest
Well proven, user friendly precision investment material for CoCr and NiCr alloys.	High expansion, individually controllable speed investment material for non-precious metal alloys.	Precision speed investment material for all precious metal alloys.
<ul style="list-style-type: none"> ■ For all indications of non-precious metal alloys (except titanium). 	<ul style="list-style-type: none"> ■ For all indications of non-precious metal alloys (except titanium) in particular with a higher expansion requirement. 	<ul style="list-style-type: none"> ■ For all indications of precious metal alloys.
<ul style="list-style-type: none"> ■ high thermal stability and robustness ■ consistent highly accurate fit ■ easy devesting properties ■ creamy mixing consistency 	<ul style="list-style-type: none"> ■ very good control of expansion ■ very good overall expansion ■ easy devesting and sandblasting behaviour ■ long working time 	<ul style="list-style-type: none"> ■ very smooth casting surfaces ■ easy devesting ■ very good handling characteristics due to optimal flowability
-	-	++
+++	+++	+++
++	+++	+++
++	+++	++
<ul style="list-style-type: none"> ■ Consistent heating ■ Heating with holding time 	<ul style="list-style-type: none"> ■ Consistent heating ■ Heating with holding time 	<ul style="list-style-type: none"> ■ Speed process ■ Consistent heating ■ Heating with holding time
++	++	+++
++	++	++
+++	+++	+++
+++	+++	+++
<p style="text-align: center;">REF 106-720-00 6 kg (100 x 60 g)</p> <p style="text-align: center;">REF 106-721-00 6 kg (40 x 150 g)</p>	<p style="text-align: center;">REF 106-731-00 6 kg (40 x 150 g)</p>	<p style="text-align: center;">REF 106-650-00 6 kg (40 x 150 g)</p>
<p style="text-align: center;">REF 106-704-00 1 l (Standard)</p> <p style="text-align: center;">REF 105-502-00 1 l (Power Liquid)</p>	<p style="text-align: center;">REF 106-706-00 1 l (Standard)</p> <p style="text-align: center;">REF 105-502-00 1 l (Power Liquid)</p>	<p style="text-align: center;">REF 106-651-00 1 l (Standard)</p>

CoCr alloys



remanium® star

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

Advantages:

- extremely easy to work with, especially when milling or polishing due to the exceptionally reduced hardness
- for all processing technologies such as casting, milling and laser melting
- excellent melting and flow behaviour
- excellent ceramic fusion because of the low coefficient of thermal expansion
- no oxide firing required
- long time cooling is only recommended for big span bridges
- particularly recommended for telescopic work
- suitable for laser welding because it is carbon free
- flexibility in casting: can be melt in a high frequency induction casting unit, or with the propane/oxygen torch
- increased efficiency

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

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 25-500 °C / 77-932 °F	14.1 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F
Weight casting ingots	6 g

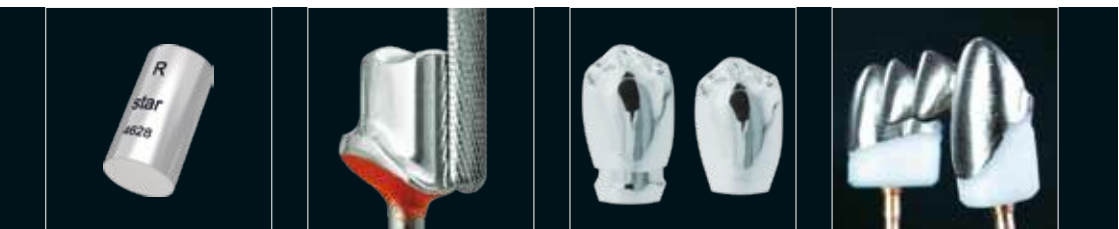
REF 102-621-00	50 g
REF 102-622-00	250 g
REF 102-620-00	1000 g

CE 0483

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28	9	1.5

Additional elements ≤ 1 %: Mn, N, Nb



remanium® star MD I milling blank

Proven high-tech CrCo bonding alloy for CAD/CAM milling systems. Powder metallurgical manufacture with extremely homogeneous structure.

Advantages:

- proven remanium® star composition
 - certified and time-tested base material for all applications in crown and bridge work
 - hot isostatically compressed, 100 % free of porosity and contraction cavities
 - fine-grained microstructure of the milling discs
 - homogeneous structure of the material facilitates uniform, easy machinability on the respective milling machine
 - maximum strength Type 5, DIN EN ISO 22674
 - ideal for ceramic veneering using the conventional CTE range
 - excellent laser weldability
- ø 98.4 mm

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

Norm: DIN EN ISO 9693, DIN EN ISO 22674



Thickness	Border	REF	Quantity
8 mm	without	102-650-00	1 piece
10 mm	without	102-651-00	1 piece
12 mm	10 mm	102-652-00	1 piece
13.5 mm	10 mm	102-653-00	1 piece
15 mm	10 mm	102-654-00	1 piece

CE 0483

remanium® star is also processed as SLM powder for the laser-melting technique by leading suppliers. Information is available on request!

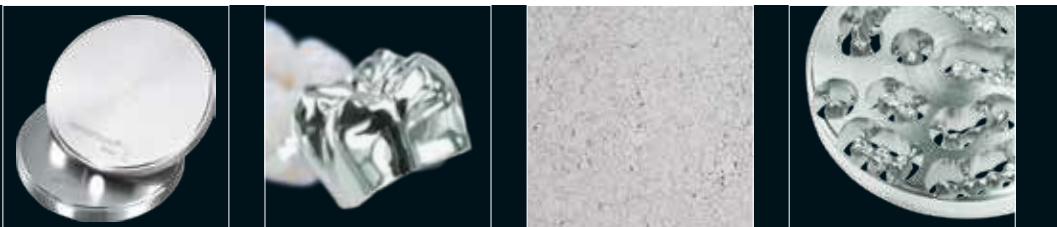
Technical data

0.2% Yield strength $R_{p0.2}$	635 MPa
Tensile strength R_m	1120 MPa
Hardness	330 HV 10
Elongation A_5	10.2 %
Modulus of elasticity E	230 GPa
Density	8.6 g/cm ³
CTE 25-500 °C / 77-932 °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	9	1.5

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



CoCr alloys



neu
New

remanium® star MD II milling blank

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

Advantages:

- proven remanium® star composition
- certified and time-tested base material for all applications in crown and bridge work
- very high ductility
- very high strength Type 4, DIN EN ISO 22674
- ideal for ceramic veneering using the conventional CTE range
- excellent laser weldability

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

Norm: DIN EN ISO 9693, DIN EN ISO 22674

Thickness	Border	REF	Quantity
8 mm	without	102-750-00	1 piece
10 mm	without	102-751-00	1 piece
12 mm	10 mm	102-752-00	1 piece
13.5 mm	10 mm	102-753-00	1 piece
15 mm	10 mm	102-754-00	1 piece

CE 0483

remanium® star is also processed as SLM powder for the laser-melting technique by leading suppliers. Information is available on request!

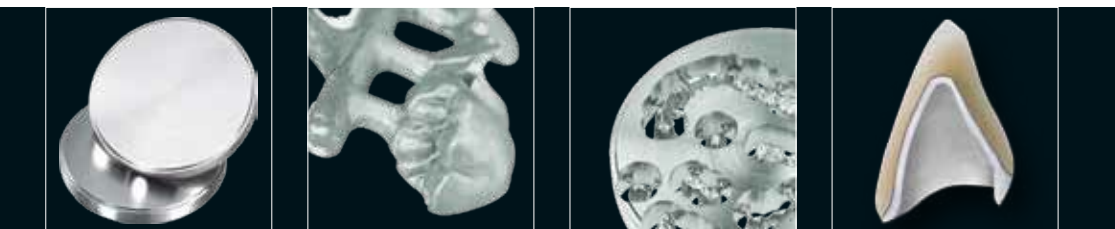
Technical data

0.2% Yield strength $R_{p0.2}$	460 MPa
Tensile strength R_m	710 MPa
Hardness	280 HV 10
Elongation A_5	10.2 %
Modulus of elasticity E	190 GPa
Density	8.6 g/cm ³
CTE 25-500 °C / 77-932 °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	9	1.5

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



remanium® secra

CoCr bonding alloy with maximum reliability potential during processing. Excellent casting behaviour, 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 structure reinforcement
- enhanced firing behaviour 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

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 25-500 °C / 77-932 °F	14.4 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1329 °C / 2424.2 °F
Liquidus temperature	1385 °C / 2525 °F
Weight casting ingots	4 g

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

CE 0483

Composition (percentage by mass)

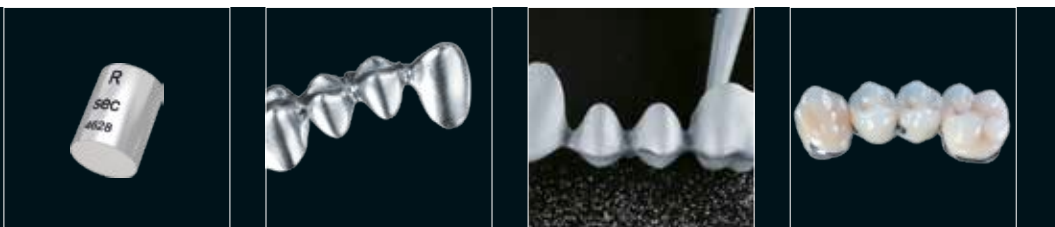
Co	Cr	W	Mo	Si	Ta
58	30	5.5	3	1.5	1.25

Additional elements ≤ 1 %: N



Online-Shop

Dentaurum



CoCr alloys



remanium® 2000+

Clinically proven CoCr bonding alloy with a low CTE value.

Advantages:

- clinically proven
- 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

Technical data

0.2% Yield strength $R_{p0.2}$	700 MPa
Tensile strength R_m	900 MPa
Hardness	340 HV 10
Elongation A_5	7 %
Modulus of elasticity E	200 GPa
Density	8.6 g/cm ³
CTE 25-500 °C / 77-932 °F	14 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1290 °C / 2354 °F
Liquidus temperature	1415 °C / 2579 °F
Weight casting ingots	6 g

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

CE 0483

Composition (percentage by mass)

Co	Cr	Mo	W	Si
61	25	7	5	1.5

Additional elements ≤ 1 %: Mn, N



remanium® 2001

CoCr bonding alloy with very good price-performance ration.

Easy processing properties.

Advantages:

- very good price-performance ratio
- exceptionally low viscosity
- flexibility in casting: can be melt in a high frequency induction casting unit, or with propane/oxygen torch
- rapid processing: no oxidisation 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

Technical data

0.2% Yield strength $R_{p0.2}$	660 MPa
Tensile strength R_m	850 MPa
Hardness	336 HV 10
Elongation A_5	5.5 %
Modulus of elasticity E	195 GPa
Density	8.6 g/cm ³
CTE 25-500 °C / 77-932 °F	14.2 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1325 °C / 2417 °F
Liquidus temperature	1415 °C / 2579 °F
Weight casting ingots	6 g

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

CE 0483

Composition (percentage by mass)

Co	Cr	Mo	W	Si
63	23	7.3	4.3	1.6

Additional elements ≤ 1 %: Mn, N



CoCr alloys



remanium® LFC

CoCr bonding alloy with a high CTE value for low-fusing, high-expansion veneering ceramics.

Advantages:

- specialised bonding alloy for use with low fusing ceramics within the suitable CTE range (LFC)
- excellent melting and casting behaviour with all melting and casting techniques
- easy trimming and polishing
- free from Nickel and Beryllium
- high mechanical strength
- good laser weldability

Indication: Crowns and bridges, Metal ceramics,

Double crowns, Secondary parts for cast partial dentures (Combination works)

Norm: DIN EN ISO 9693, DIN EN ISO 22674

Technical data

0.2% Yield strength $R_{p0.2}$	660 MPa
Tensile strength R_m	950 MPa
Hardness	315 HV 10
Elongation A_5	11 %
Modulus of elasticity E	200 GPa
Density	8.2 g/cm ³
CTE 25-500 °C / 77-932 °F	15.9 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1280 °C / 2336 °F
Liquidus temperature	1350 °C / 2462 °F
Weight casting ingots	6 g

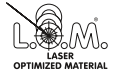
REF 102-641-00	50 g
REF 102-642-00	250 g
REF 102-640-00	1000 g

CE 0483

Composition (percentage by mass)

Co	Cr	Fe	Mo	Mn
33	30	29	5	1.5

Additional elements ≤ 1 %: C, N, Si



remanium® CS+

NiCr bonding alloy with outstanding ceramic bond.
Square ingots for quick, reliable casting.

Advantages:

- excellent ceramic bond – even after multiple bakes
- no slow cooling required when baking ceramics
- Beryllium free, biocompatible
- reliable melting and casting characteristics
- maximum corrosion resistance
- excellent soldering and laser welding properties
- easy polishing and high lustre

Indication: Crowns and bridges, Metal ceramics, Double crowns, Implant supported supra-structures, Maryland bridges
Norm: DIN EN ISO 9693, DIN EN ISO 22674

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 25-500 °C / 77-932 °F	14 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1260 °C / 2300 °F
Liquidus temperature	1350 °C / 2462 °F
Weight casting ingots	5 g

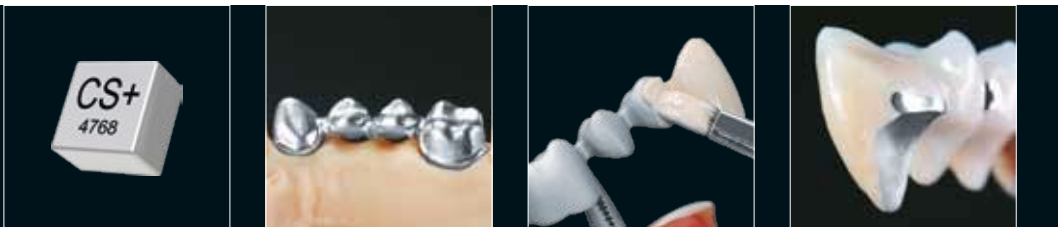
REF 102-401-00	50 g
REF 102-402-00	250 g
REF 102-403-00	1000 g

CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Si
61	26	11	1.5

Additional elements ≤ 1 %: Ce, Co, Fe



NiCr alloys



remanium® CSe

NiCr bonding alloy with user-friendly processing properties.

Advantages:

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

Indication: Crowns and bridges, Metal ceramics, Double crowns, Implant supported supra-structures, Maryland bridges
Norm: DIN EN ISO 9693, DIN EN ISO 22674

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 25-500 °C / 77-932 °F	14 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1260 °C / 2300 °F
Liquidus temperature	1350 °C / 2462 °F
Weight casting ingots	6 g

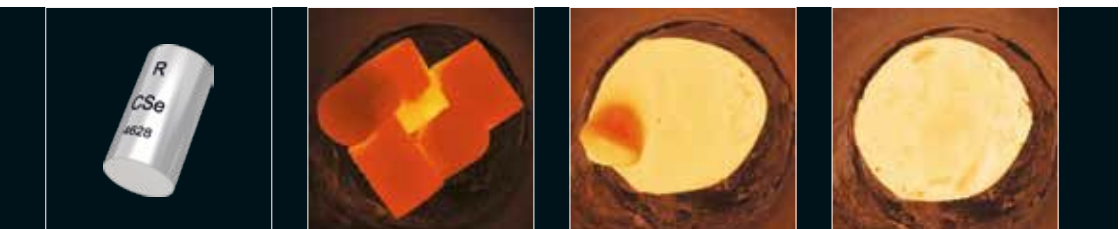
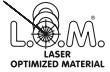
REF 102-401-05	50 g
REF 102-403-05	1000 g

CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Si
61	26	11	1.5

Additional elements ≤ 1 %: Ce, Co, Fe



remanium® G-soft

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

Advantages:

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

Indication: Crowns and bridges, Double crowns, Implant supported supra-structures, Maryland bridges
Norm: DIN EN ISO 22674

Technical data

0.2% Yield strength $R_{p0.2}$	310 MPa
Tensile strength R_m	550 MPa
Hardness	210 HV 10
Elongation A_5	8 %
Modulus of elasticity E	165 GPa
Density	8.2 g/cm ³
Solidus temperature	1210 °C / 2210 °F
Liquidus temperature	1240 °C / 2264 °F
Weight casting ingots	6 g

REF 100-001-00

1000 g

CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Si
66	26.5	5	1.5

Additional elements ≤ 1 %: B, Mn



Precious metal alloys



DentAurum Classic

High-gold-content casting alloy with extra high strength.
For composite veneering.

Advantages:

- high strength for delicate frameworks (Type 4)
- homogeneous casting structure
- free of Nickel, Cadmium, Beryllium, Gallium, Indium and Iron
- maximum corrosion resistance
- ideal for all frameworks, which are not veneered with ceramic
- Color: yellow

Indication: Crowns and bridges up to 2 segments span width from anchor tooth, Crowns and bridges of any span, Telescope and milled work, Metal inlays, Cast partial dentures or implant supported supra-structures
Norm: DIN EN ISO 22674, Type 4

Technical data	soft	hardened	after casting or firing
0.2% Yield strength $R_{p0.2}$	385 MPa	640 MPa	600 MPa
Hardness	170 HV5/30	245 HV5/30	245 HV5/30
Elongation	20 %	9 %	12 %
Modulus of elasticity E	96 GPa	96 GPa	96 GPa
Density	15.4 g/cm ³	15.4 g/cm ³	15.4 g/cm ³
Solidus temperature	895 °C / 1643 °F	895 °C / 1643 °F	895 °C / 1643 °F
Liquidus temperature	935 °C / 1715 °F	935 °C / 1715 °F	935 °C / 1715 °F

REF 102-520-00	1 g
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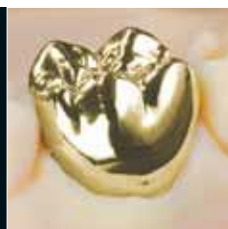
CE 0483

Composition (percentage by mass)

Au and Pt metals: 76.0

Au	Ag	Cu	Pt	Pd	Zn
70.0	13.0	9.5	3.9	2.0	1.5

Additional elements ≤ 1 %: Ir



DentAurum Bio

High-gold-content bonding alloy, copper-free for all indications in crown and bridge work.

Advantages:

- maximum biocompatibility and corrosion resistance
- free of Palladium, Copper, Nickel, Cadmium, Beryllium and Iron
- Certificate of Cytotoxicity will be sent to you on request
- high bond strength with conventional ceramics
- excellent melting and casting behaviour
- Color: yellow

Indication: Crowns and bridges up to 2 segments span width from anchor tooth, Crowns and bridges of any span, Metal ceramics, Telescope and milled work, Metal inlays, Cast partial dentures or implant supported supra-structures
Norm: DIN EN ISO 22674, Type 4, DIN EN ISO 9693

REF 102-530-00	1 g
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CE 0483

Composition (percentage by mass)

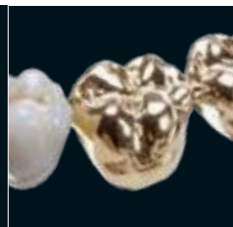
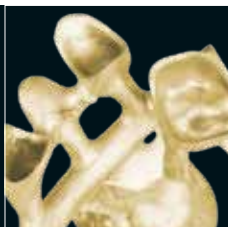
Au and Pt metals: 98.1

Au	Pt	Zn
86.2	11.5	1.5

Additional elements ≤ 1 %: Mn, Ru, Ta



Technical data	soft	hardened	after casting or firing
0.2% Yield strength $R_{p0.2}$	340 MPa	500 MPa	515 MPa
Hardness	150 HV5/30	170 HV5/30	190 HV5/30
Elongation	35 %	13 %	12 %
Modulus of elasticity E	98 GPa	98 GPa	98 GPa
Density	19.1 g/cm ³	19.1 g/cm ³	19.1 g/cm ³
CTE 25-500 °C / 77-932 °F	$14.1 \times 10^{-6} \text{ K}^{-1}$	$14.1 \times 10^{-6} \text{ K}^{-1}$	$14.1 \times 10^{-6} \text{ K}^{-1}$
CTE 25-600 °C / 77-1112 °F	$14.3 \times 10^{-6} \text{ K}^{-1}$	$14.3 \times 10^{-6} \text{ K}^{-1}$	$14.3 \times 10^{-6} \text{ K}^{-1}$
Solidus temperature	1035 °C / 1895 °F	1035 °C / 1895 °F	1035 °C / 1895 °F
Liquidus temperature	1100 °C / 2012 °F	1100 °C / 2012 °F	1100 °C / 2012 °F



Precious metal alloys



DentAurum LFC

High-gold-content bonding alloy for low-fusing ceramics (LFC). DentAurum LFC can be used in all areas of restorative dentistry.

Advantages:

- ideal for low-fusing ceramics (LFC)
- highly biocompatible and corrosion resistant
- free of Palladium, Nickel, Cadmium, Beryllium and Iron
- Certificate of Cytotoxicity will be sent to you on request
- Color: yellow

Indication: Crowns and bridges up to 2 segments span width from anchor tooth, Crowns and bridges of any span, Metal ceramics, Telescope and milled work, Metal inlays, Cast partial dentures or implant supported supra-structures
Norm: DIN EN ISO 22674, Type 4, DIN EN ISO 9693

Technical data	soft	hardened	after casting or firing	
0.2% Yield strength $R_{p0.2}$	340 MPa	625 MPa		
Hardness	150 HV5/30	250 HV5/30	205 HV5/30	
Elongation	28 %	15 %		
Modulus of elasticity E	100 GPa	100 GPa	100 GPa	
Density	16.6 g/cm ³	16.6 g/cm ³	16.6 g/cm ³	
CTE 25-500 °C / 77-932 °F	16.2 x 10 ⁻⁶ K ⁻¹	16.2 x 10 ⁻⁶ K ⁻¹	16.2 x 10 ⁻⁶ K ⁻¹	
CTE 25-600 °C / 77-1112 °F	16.6 x 10 ⁻⁶ K ⁻¹	16.6 x 10 ⁻⁶ K ⁻¹	16.6 x 10 ⁻⁶ K ⁻¹	
Solidus temperature	900 °C / 1652 °F	900 °C / 1652 °F	900 °C / 1652 °F	
Liquidus temperature	980 °C / 1796 °F	980 °C / 1796 °F	980 °C / 1796 °F	

REF 102-540-00

1 g

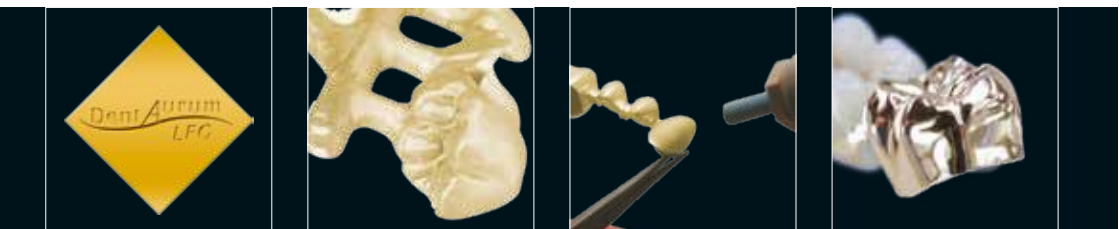
CE 0483

Composition (percentage by mass)

Au and Pt metals: 82.9

Au	Ag	Pt	Cu	Zn	In
73.8	9.2	9.0	4.4	2.0	1.5

Additional elements ≤ 1 %: Ir



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 cast denture alloys

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

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

REF 102-306-00	3 g
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CE 0483

Composition (percentage by mass)

Co	Cr	Mo	Si	B
69.8	19	5	5	1.2

without flux



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

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

REF 102-302-00	3 g
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CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Si	B
63	19	10	7	1

without flux



rema® Flux 1

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

REF 102-304-00	25 g
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Soldering rods for chrome-cobalt

- incl. flux
- no discoloration

Area of application:

- all CoCr partial cast denture alloys

Liquidus temperature	1100 °C / 2012 °F
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REF 142-100-50	6 rods
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CE 0483

Composition (percentage by mass)

Co	Cr	Ni	Si	W
50	18	17	8	4



White gold solder

- in rods
- ready fluxed
- Purity: ct 18.6
- cadmium free

∅	1-1.1 mm
Working temperature	950 °C / 1742 °F

REF 380-600-50	1.6 g
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CE 0483

Composition (percentage by mass)

Au	Ni	Zn
77.0	16.0	6.0

with flux



Solders and welding wires



DentAurum solder

Color: yellow

Recommended alloy: DentAurum Classic, DentAurum LFC

- optimally tailored to the DentAurum alloys
- all DentAurum solders are free of palladium and cadmium

Designation	Working temperature	Indication	REF	Quantity
DentAurum Solder S 720	720 °C / 1328 °F	after bake	102-581-00	4 g

CE⁰⁴⁸³

Composition (percentage by mass)

Designation	Au	Pt	Ir	Au and Pt metals	Ag	Cu	Zn
DentAurum Solder S 720	74.0	0.9	0.1	75.0	10.0		15.0



DentAurum solder

Color: yellow

Recommended alloy: DentAurum Bio

- optimally tailored to the DentAurum alloys
- all DentAurum solders are free of palladium and cadmium

Designation	Working temperature	Indication	REF	Quantity
DentAurum Solder S 760	760 °C / 1400 °F	(Solder 2) Repair solder	102-582-00	4 g
DentAurum Solder S 825	825 °C / 1517 °F	(Solder 1) Main solder	102-583-00	4 g

CE⁰⁴⁸³

Composition (percentage by mass)

Designation	Au	Pt	Ir	Au and Pt metals	Ag	Cu	Zn
DentAurum Solder S 760	75.0			75.0	5.0	7.0	13.0
DentAurum Solder S 825	75.0			75.0	7.5	9.5	8.0



DentAurum solder

Color: yellow

Recommended alloy: DentAurum LFC

- optimally tailored to the DentAurum alloys
- all DentAurum solders are free of palladium and cadmium

Designation	Working temperature	Indication	REF	Quantity
DentAurum Solder S 880	880 °C / 1616 °F	before bake	102-584-00	4 g

CE⁰⁴⁸³

Composition (percentage by mass)

Designation	Au	Pt	Ir	Au and Pt metals	Ag	Cu	Zn
DentAurum Solder S 880	76.0	2.9	0.1	79.0	10.0	6.0	5.0

DentAurum solder

Color: yellow

Recommended alloy: DentAurum Classic

- optimally tailored to the DentAurum alloys
- all DentAurum solders are free of palladium and cadmium

Designation	Working temperature	Indication	REF	Quantity
DentAurum Solder S 1020	1020 °C / 1868 °F	before bake	102-585-00	4 g

CE 0483

Composition (percentage by mass)

Designation	Au	Pt	Ir	Au and Pt metals	Ag	Cu	Zn
DentAurum Solder S 1020	80.0	0.9	0.1	81.0	17.0		2.0



DentAurum Flux

- flux specially for soldering precious metals
- perfectly tailored to DentAurum solders

REF 102-589-00	30 g
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Universal silver solder

- in rods
- ready fluxed
- cadmium free

∅	1-1.1 mm
Working temperature	700 °C / 1292 °F

REF 380-604-50	1.2 g
REF 380-604-60	10 x 1.2 g

CE 0483

Composition (percentage by mass)

Ag	Zn	Cu
59	24	16

with flux



Universal silver solder

- in coils
- without flux
- cadmium free

Working temperature	700 °C / 1292 °F
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REF 380-704-50	10 g
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CE 0483

Composition (percentage by mass)

Ag	Zn	Cu
59	25	16

without flux



Dentaflux® flux

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

REF 681-100-00	50 g
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Solders and welding wires



CoCr welding wire

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

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

CE 0483

Composition (percentage by mass)

Co	Cr	Mo
65	28	5.5

Additional elements ≤ 1 %: Mn, Si



NiCr welding wire

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

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

CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Nb	Ta	Fe
61	22	9	2	2	1

Additional elements ≤ 1 %: Al, Co, Mn, Si, Ti



rematitan® wire on coils

Titanium grade 1

Norm: DIN 17850

For laser welding.

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

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

CE 0483



rematitan® straight wire

Titanium grade 1

Norm: DIN 17850

For laser welding.

Recommended as strengthener wire with fixed titanium RPE appliances (Titanium hyrax® Maxi - 12).

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

CE 0483



rematitan® straight wire

Titanium grade 4

Norm: DIN 17850

For laser welding.

Recommended for axes of swing locks.

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

CE 0483



rematitan® straight wire

Titanium grade 1

Norm: DIN 17850

For laser welding.

ø pressed	Length	REF	Quantity
0.25 x 3.0 mm / 10 x 118	each 100 mm	528-044-00	10 pieces
0.5 x 1.5 mm / 20 x 59	each 100 mm	528-043-00	10 pieces

CE 0483



Online-Shop

Dentaurum



Solders and welding wires



DentAurum welding wire

Constituents

The constituents within the welding wires are the same as the relevant DentAurum alloy: One step further in the quest towards reducing the amount of metals in the patient's mouth to a minimum.
ø 0.4 mm

Recommendations for joining technique:

Dentaurum recommends laser welding using standardized materials as a joining technique.
The joints are stronger and more bio-compatible.

Designation	Weight	Recommended alloy	REF	Quantity
DentAurum C 4	1.8 g	DentAurum Bio	102-521-00	10 pieces
DentAurum B 4	2.4 g	DentAurum Classic	102-531-00	10 pieces
DentAurum LFC 4	2.0 g	DentAurum LFC	102-541-00	10 pieces

CE⁰⁴⁸³

rema® CC

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

Advantages:

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

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

Working time	8 min
Preheating	Consistent heating, Heating with holding time, Speed process
Preheating temperature	700 - 900 °C / 1292-1652 °F
Compression resistance	3 MPa
Color	white

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



rema® CC mixing liquid

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

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

REF 105-845-00	1 l
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rema® CC HE liquid

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



leu
New

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	4-5 min
Preheating	Consistent heating, Heating with holding time, Speed process
Preheating temperature	900-950 °C / 1652-1742 °F
Compression resistance	9 MPa
Color	green

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



rema® TT mixing liquid

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

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

REF 106-707-00 | 1 l

Castorit® all speed

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

Advantages:

- mould 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	6-8 min
Preheating	Consistent heating, Heating with holding time, Speed process
Preheating temperature	700-950 °C / 1292-1742 °F
Compression resistance	9-11 MPa
Color	white

REF 105-740-00	6 kg (100 x 60 g)
REF 105-741-00	6 kg (40 g x 150 g)
REF 105-742-80	20 kg (8 x 2.5 kg)



Castorit® all speed mixing liquid

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

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

REF 105-745-00	1 l
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Investment materials



Castorit®-super C

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

Advantages:

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

Norm: DIN EN ISO 15912

Type 1

Class 1

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

REF 106-720-00	6 kg (100 x 60 g)
REF 106-721-00	6 kg (40 x 150 g)



Castorit®-super C mixing liquid

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

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

REF 106-704-00	1 l
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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 behaviour
- long working time

Norm: DIN EN ISO 15912

Type 1

Class 1

Working time	5-6 min
Preheating	Consistent heating, Heating with holding time
Preheating temperature	950 °C / 1742 °F
Compression resistance	3-4 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 sufficient for 6 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

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

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

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-502-00	1 l
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Investment materials



DentAurum Vest

Accurate speed investment for all precious metal alloys.

Advantages:

- very smooth casting surfaces
- easy investment
- very good handling characteristics due to optimal flowability
- very low mixing and temperature sensitivity

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

Working time	4-5 min
Preheating	Consistent heating, Heating with holding time, Speed process
Preheating temperature	700-850 °C / 1292-1562 °F
Compression resistance	4.5 MPa
Color	yellow

REF 106-650-00

6 kg (40 x 150 g)



DentAurum Vest mixing liquid

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

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 106-651-00

1 l

EsprVest Ultra

Die investment for exact reproduction of individual dies for inlays, onlays, veneers or all-ceramic crowns.

Advantages:

- reproduction of the finest details due to high flowability
- increased strength of the investment for stable edges and exact repositioning in any model system
- homogeneous and dense surface for accurate reproduction of detail in the ceramic
- perfectly matched to Dentaaurum ceramic systems

Norm: DIN EN ISO 15912

Type 4

Class 1

Working time	8-9 min
Preheating	Heating with holding time
Preheating temperature	750 °C / 1382 °F
Compression resistance	22 MPa
Color	white

REF 260-336-00

250 g



EsprVest Ultra mixing liquid

80 ml mixing liquid are sufficient for 250 g investment material.

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

REF 260-337-00

100 ml



Investment materials



Duplicating flask

The Dentaurum duplicating flask is used for duplicating when fabricating inlays, onlays, laminate veneers and jacket crowns. It ensures cost-effective use of both duplicating silicone and refractory die material. The duplicating flask also saves material when reproducing single dies. Two dies can be duplicated simultaneously in one flask, depending on the size of the dies.

Version	REF	Quantity
with putty	260-331-00	1 piece
without putty	260-332-00	1 piece



Aluminium top section for duplicating flask

REF 260-333-00	1 piece
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Plastic lower section for duplicating flask

REF 260-334-00	1 piece
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Putty for duplicating flask

REF 260-335-00	1 piece
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dentCeram LF press invest

Investment material for press ceramic.

Advantages:

- can be used with the conventional or speed technique
- precise expansion control
- reproduction of the finest details
- smooth surfaces of the press frameworks
- easy devesting behaviour

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

Working time	6-7 min
Preheating	Heating with holding time, Speed process
Preheating temperature	850 °C / 1562 °F
Compression resistance	3.1 MPa
Color	white

REF 260-350-00	2.5 kg (25 x 100 g)
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dentCeram LF press invest mixing liquid

Mixing liquid for dentCeram LF 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 260-355-00	1 l
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Ring former

Special ring former with silicone ring included for press ceramic investing procedures.

The silicone ring enables the casting ring to be easily removed after the investment has set.

Capacity	REF	Quantity
100 g	260-360-10	1 piece
200 g	260-360-20	1 piece



Press plunger

Reusable aluminium oxide press plunger.

REF 260-365-01	1 piece
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Disposable press plunger

Disposable investment press plunger for single use.

No time consuming cleaning of the press plunger.

REF 260-365-05	20 pieces
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Waxes

StarWax CB modelling wax

Advantages:

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



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

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



StarWax C cervical wax

Advantages:

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

Color	REF	Quantity
red	120-212-00	50 g

StarWax M milling wax

Advantages:

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

Color	REF	Quantity
blue	120-211-00	50 g



StarWax D dipping wax

Advantages:

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

Working temperature approx. 90 °C / 194 °F

Color	REF	Quantity
orange	120-213-50	100 g



Special casting wax

according to Gründler

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

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, repairs and soldering work

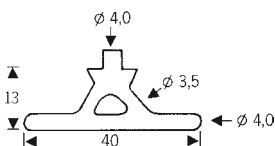
Melting point	Color	REF	Quantity
71 °C / 159.8 °F	red	122-300-00	60 g



Sprue bars

- stabilisation of the wax pattern
- prevents distortion of bridges
- controlled contraction of the metal

ø	Color	REF	Quantity
4.0 mm	blue	111-315-00	100 pieces



Waxes



Wax wire on rolls

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

ø	Soft-Quality REF (blue)	Standard-Quality REF (violet)	Quantity
2.0 mm	111-720-00		250 g
2.5 mm	111-825-00	111-425-00	250 g
3.0 mm	111-830-00	111-430-00	250 g
3.5 mm	111-835-00	111-435-00	250 g
4.0 mm	111-840-00	111-440-00	250 g
5.0 mm	111-850-00	111-450-00	250 g



Wax wire rods

- for retention 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



Wax sticks

- extra hard quality
- very good stabilisation of the patterns

ø	Color	REF	Quantity
● 3.0 mm	turquoise	111-630-00	250 g
● 4.0 mm	turquoise	111-640-00	250 g
● 5.0 mm	turquoise	111-650-00	250 g

Kera-Vlies®

Asbestos-free liner for metal casting rings in the crown and bridge technique.

- Kera-Vlies® is now manufactured with enhanced biological quality. It even 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
1.0 x 50 mm	25 m	127-250-00	1 piece
2.0 x 50 mm	15 m	127-251-00	1 piece

Model and casting ring tongs

REF 127-410-00	1 piece
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- angled jaws give more secure grip for refractory models and casting rings (Sizes 1/3/6)
- stainless

Length: 36.0 cm



Muffle ring - stainless steel

- heat-resistant
- sturdy design

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



Sprue formers

- highly durable flexible rubber
- with metal reinforced base plate

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



Base D1 – Casting ring base

REF 106-825-00	1 piece
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- 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 centre, individual adaptation of the wax pattern
- rubber base ensures a safe seal

The casting ring is not supplied with the base.



Modelling accessories



„Die Lube“ Separating agent

REF 112-000-00

50 g

Application:

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

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



Folident Mini thermoforming set

REF 120-130-00

1 set

- easy thermoforming of crown copings
- high stability of copings
- integrated spacer foil

Heat foils over a burner until they are trans-parent.

Through the soft foils the die is pressed into the elastic clay in the mold pot. The foils are adapted and after cooling pulled off and cut down.

Contents of delivery:

Molding pot/Foil holder

Foil each 100 pieces 0.1 and 0.6 mm



Folident replacement foils

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



Conical pins

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

Tip:

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

The connector to the base is bracing the stub when the frame is then waxed up later.

This allows later to conveniently weld the crown to the frame by means of the laser.

Color	REF	Quantity
green	111-901-00	10 pieces

Lubrofilm®

Double function

- **Silicone surface tension reducing agent**

Allows bubble free pouring of investment into silicone mould.

- **Wax surface tension reducing agent**

Reduces surface tension on wax and facilitates investing.

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



Lubrofilm® plus

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.

- very quick to evaporate: this prevents damage of investment material or plaster

- even better and more homogenous surface covering

- pleasant smell

REF 112-053-00	100 ml
REF 112-054-00	1 l



Attachments



Plastic attachments dent attach V

Extracoronary omega attachment, medium friction.

- the elastic females are easily replaced
- universal application for all alloys and titanium
- easy to use
- high wearing comfort

Contents: 6 attachments, 1 inserting pin

REF 240-110-00 1 assortment

CE 0483



Plastic attachments dent attach V 45°

Extracoronary omega attachment. Male tapered at 45° angle. Separate parallel holder.

- universal application for all alloys and titanium
- easy to use
- high wearing comfort

Contents: 6 attachments, 1 inserting pin, 1 parallel holder

REF 240-111-00 1 assortment

CE 0483



Plastic attachments dent attach H

Burnout plastic bar with elastic riders – replaceable.

- universal application for all alloys and titanium
- easy to use
- high wearing comfort

Contents: 2 plastic bars, 6 riders, 6 spacers, 1 inserting pin

REF 240-112-00 1 assortment

CE 0483



Plastic attachments dent attach females

Replaceable elastic females with medium friction level.

Contents: 6 yellow females

REF 240-113-00 1 assortment

CE 0483



Plastic attachments dent attach females

Replaceable elastic females with 3 friction levels.

yellow = medium friction

white = low friction

orange = high friction

Contents: 2 yellow, 2 white, 2 orange females

REF 240-114-00 1 assortment

CE 0483



Plastic attachments dent attach males

Male with parallel holder.

Contents: 6 blue males

REF 240-115-00 1 assortment



Plastic attachments dent attach males

Male tapered at 45° angle.

Contents: 6 blue males, 1 parallel holder, grey

REF 240-116-00 1 assortment

Rapidur®

synthetic dental stone

- extra hard, low expansion
- quick-setting

Application:

orthodontics, cast partial denture work,
precious metal, acrylic, ceramics

Norm: DIN EN ISO 6873

Class 4

Mixing ratio (g : ml)	100 : 24
Setting expansion	max. 0.15 %
Working time	min. 3 min
Compression resistance	min. 35 MPa
Setting time	max. 30 min
Color	white

REF 164-450-00	6 kg
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Mixing bowl

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

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



Dowel pins

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

Length	Head ø	Form	REF	Quantity
22 mm	1.9 mm	A	319-401-00	100 pieces
22 mm	2.0 mm	B	319-402-00	100 pieces
25.5 mm	2.0 mm	C	319-403-00	100 pieces
28.9 mm		D	319-405-00	1000 pieces
64.3 mm		E	319-406-00	100 pieces



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

Type E: With spike for indirect fixation in the impression. The spike prevents rotation or loosening of the pins.

Accessories



Saw

For Orthodontics/Prosthetics.
Small saw with replaceable blades.

Contents of delivery:
Saw incl. 3 saw blades

REF 180-702-00

1 piece



Saw blades

For saw.

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

Alloys	Page 162
Solders and welding wires	Page 165
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Duplicating materials – Accessories	Page 175
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Cast partial denture.

Competence through experience.



- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■**
- Titanium ■
- Finishing ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■
- Pliers | Instruments ■
- Equipment ■
- Implantology ■
- Knowledge ■
- Courses ■
- Service ■

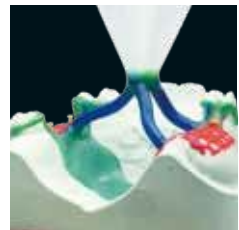


The successful system.

The expansion values of our investment materials complement our remanium® alloys exactly. This also applies for important components such as the duplicating materials. A whole range of materials and machines completes this cast partial denture system.

Biocompatible dental restorations.

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



Cast partial denture alloys

For the best biocompatibility.

Cast partial denture investment materials

Universal qualities.

Duplicating gel

Impressive reproductive qualities.

Duplicating silicone

Fulfils the highest quality standards.

Cast partial denture – Wax assortment

For all types of application and in all thickness.

Cast partial denture – Accessories

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

remanium® 

Cast partial denture alloys:
Biocompatible, resistant to corrosion, for universal use.

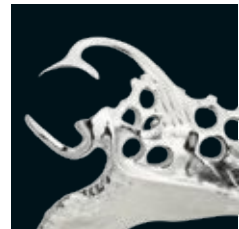
The latest technology.

Cast partial denture alloys from Dentaureum are the result of many years of in-house research and development in a worldwide cooperation with dentists and technicians. The range of products are constantly updated and adapted to the latest technology and medical progress for the patient's well-being. Rising customer demands are also taken into consideration.

Outstanding properties.

Melt reflection prevents overheating of the alloy and aids in producing smooth and clean castings.

GM 900 is the first carbon free CoCrMoTa cast partial denture alloy. GM 380+ and GM 800+ have an extremely low carbon content.



remanium® Cast partial denture alloys at a glance.

	remanium® GM 800+	remanium® GM 380+	remanium® GM 900																								
Characteristics	Extra spring-hard universal alloy with a high yield strength for all types of cast partial denture work.	Time-tested, spring-hard alloy for all types of cast partial denture work.	Extra spring-hard, modern alloy for all types of cast partial denture work. Excellent laser welding properties, as it is carbon free.																								
Indication	<ul style="list-style-type: none"> cast partial dentures and fixed/removable restorations for rigid frameworks with a very high strength 	<ul style="list-style-type: none"> cast partial dentures and fixed/removable restorations for rigid frameworks with very high strength 	<ul style="list-style-type: none"> cast partial dentures and fixed/removable restorations for rigid frameworks with a very high strength 																								
Advantages	<ul style="list-style-type: none"> high fracture resistance due to excellent mechanical properties high modulus of elasticity for delicate, yet stable frameworks even less risk of clasp fractures due to increased yield strength mirror-like molten metal surface high-lustre surfaces after electrolytic polishing 	<ul style="list-style-type: none"> further development of the time-tested remanium® GM 380 mirror-like molten metal surface reduced surface hardness easy preparation and polishing easily activated, high yield strength 	<ul style="list-style-type: none"> harmoniously coordinated, high mechanical parameters easy preparation and polishing due to reduced surface hardness the correct casting point is indicated by a mirror-like molten metal surface. Prevents overheating of the molten alloy, ensuring smooth clean castings patented composition based on CoCrMoTa 																								
Composition (Percentage by mass)	<table border="1"> <tr> <td>Co</td> <td>Cr</td> <td>Mo</td> <td>Si</td> </tr> <tr> <td>63.3</td> <td>30</td> <td>5</td> <td>1</td> </tr> </table> <p>Other < 1% Mn, N, C</p>	Co	Cr	Mo	Si	63.3	30	5	1	<table border="1"> <tr> <td>Co</td> <td>Cr</td> <td>Mo</td> </tr> <tr> <td>64.6</td> <td>29</td> <td>4.5</td> </tr> </table> <p>Si, Mn, N, C</p>	Co	Cr	Mo	64.6	29	4.5	<table border="1"> <tr> <td>Co</td> <td>Cr</td> <td>Mo</td> <td>Si</td> <td>Ta</td> </tr> <tr> <td>62</td> <td>30</td> <td>5.5</td> <td>1.2</td> <td>1.2</td> </tr> </table> <p>N</p>	Co	Cr	Mo	Si	Ta	62	30	5.5	1.2	1.2
Co	Cr	Mo	Si																								
63.3	30	5	1																								
Co	Cr	Mo																									
64.6	29	4.5																									
Co	Cr	Mo	Si	Ta																							
62	30	5.5	1.2	1.2																							

Summary relevant characteristics

	remanium® GM 800+	remanium® GM 380+	remanium® GM 900
Elasticity	extra spring hard	spring hard	extra spring hard
Activation capacity	+++	+++	+++
Melting	+++	+++	+++
Melt reflection	yes	yes	yes
Finishing and polishing	+++	+++	+++
Laser welding	+++	+++	+++
Soldering with CoCr Solder	++ REF 102-306-00	++ REF 102-306-00	++ REF 102-306-00

Mechanical characteristics

	remanium® GM 800+	remanium® GM 380+	remanium® GM 900
0.2% Yield strength R _{p0.2}	720 MPa	640 MPa	700 MPa
Tensile strength R _m	960 MPa	900 MPa	910 MPa
Elongation A ₅	6 %	6.5 %	5 %
Hardness	370 HV 10	360 HV 10	340 HV 10
Modulus of elasticity E	230 GPa	220 GPa	210 GPa
Solidus temperature	1240 °C / 2264 °F	1300 °C / 2372 °F	1360 °C / 2480 °F
Liquidus temperature	1410 °C / 2570 °F	1370 °C / 2498 °F	1410 °C / 2570 °F
Density	8.2 g/cm ³	8.2 g/cm ³	8.2 g/cm ³

Ordering informations

	remanium® GM 800+	remanium® GM 380+	remanium® GM 900
Availability	1000 g REF 102-200-10	1000 g REF 102-001-10	1000 g REF 102-250-00

Safety through certified quality

Optimum biocompatibility: laboratory tests confirm outstanding resistance to corrosion. Biocompatibility demonstrated by cytotoxicity tests carried out by independent testing institutes. We will be pleased to send you our certificates on request. All cast partial denture alloys are free of beryllium, iron, nickel, gallium and copper.

+++ = excellent ++ = very good



Cast partial denture investment materials:
Fast, flexible and with a perfect fit.

Flexibility in preheating.

Dentaurum investment materials cover the whole spectrum of cast partial denture technique. They can be used for the conventional preheating overnight, alternatively the ring can be placed into the furnace at final temperature.

The perfect fit.

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

Strict final checks.

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



rema® Cast partial denture investment materials at a glance.

	rema® dynamic S	rema® Exakt F	rema® Exakt
Characteristics	Universal, quick model casting investment material.	Fine and exact model casting investment material.	Classical, robust, model casting investment material.
Indication	<ul style="list-style-type: none"> ■ Metal partial dentures ■ Combination techniques 	<ul style="list-style-type: none"> ■ Metal partial dentures ■ Combination techniques 	<ul style="list-style-type: none"> ■ Metal partial dentures
Advantages	<ul style="list-style-type: none"> ■ complete flexibility in the preheating stage <ul style="list-style-type: none"> - speed heating - reduced quick heating from 600 °C / 1112 °F - conventional preheating ■ suitable for combination prosthetics <ul style="list-style-type: none"> - impressive accuracy even with complicated structures ■ universally suitable in all duplicating procedures <ul style="list-style-type: none"> - compatible with duplicating materials silicone and gel ■ excellent accuracy <ul style="list-style-type: none"> - knife edge stability and smoothness 	<ul style="list-style-type: none"> ■ improved development of the classic rema® Exakt <ul style="list-style-type: none"> - the well proven recipe was optimized with a finer grain size ■ very easy, pleasant working <ul style="list-style-type: none"> - amenable consistency - adequate working time - reduced dust ■ very high accuracy <ul style="list-style-type: none"> - perfectly fitting castings in all areas ■ especially light divestment <ul style="list-style-type: none"> - very soft divestment and light sandblasting 	<ul style="list-style-type: none"> ■ very uncomplicated operation <ul style="list-style-type: none"> - good results even in extreme laboratory conditions ■ reproducible precision <ul style="list-style-type: none"> - maintains the same high accuracy from casting to casting ■ especially recommended for gel duplications <ul style="list-style-type: none"> - quick setting increases the quality with gel duplications ■ universal procedure <ul style="list-style-type: none"> - especially economical due to addition of water
Preheating	<ul style="list-style-type: none"> ■ speed heating ■ optional speed heating ■ constant preheating 	<ul style="list-style-type: none"> ■ constant preheating ■ heating with holding time 	<ul style="list-style-type: none"> ■ constant preheating ■ heating with holding time
Duplication with gel	+++	+++	+++
Duplication with silicone	+++	+++	+
Mixing consistency	++	+++	+
Model hardness	+++	++	++
Devestment	++	+++	++
Working time	++	+++	+++
Precious metal model castings	+	+	+++
Ordering informations			
Powder	REF 105-600-50 20 kg (112 x 180 g) REF 105-610-50 20 kg (40 x 500 g) REF 105-610-85 20 kg (8 x 2.5 kg) 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 105-021-00 20 kg (100 x 200 g) REF 105-020-00 20 kg (50 x 400 g) REF 105-020-80 20 kg (8 x 2.5 kg) REF 105-008-00 8 kg (20 x 400 g)
Mixing liquid	REF 105-620-50 1 l (Standard) REF 105-623-50 1 l (Speed) REF 105-502-00 1 l (Power Liquid)	REF 105-501-00 1 l (Standard) REF 105-502-00 1 l (Power Liquid)	REF 105-501-00 1 l (Standard) REF 105-502-00 1 l (Power Liquid)

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

Duplicating materials.

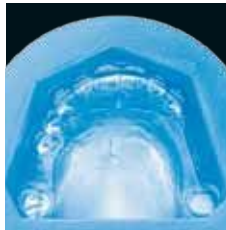
Flexible, accurate, economical.

Duplicating silicone – The highest precision.

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

Duplicating gel – Highly economical.

The high standard of quality allows the material to be frequently reused and to fabricate accurate secondary models made of investment material or plaster.



Reversible Agar duplicating materials at a glance.

	Dublitolp®	Duplikat	Dubliform	Dubliplast®	DubliGel
Characteristics	Opaque, contrastsharp top-quality duplicating gel with properties similar to silicone.	Proven, top-quality transparent precision duplicating gel. Suitable for phosphate and binder investments.	Time-tested quality duplicating gel with good price-performance ratio.	Universal quality duplicating gel for plaster and investment materials.	Specialized duplicating gel for secondary models in plaster.
Advantages	<ul style="list-style-type: none"> ■ highly crisp details - optimal contrast due to the new light-blue, opaque colour ■ exceptional tear resistance - high edge strength during removal ■ outstanding accuracy of fit - optimum duplicating results ■ excellent thermal stability - long shelf life ensures cost-effectiveness ■ does not discolour stone models ■ suitable for microwaves 	<ul style="list-style-type: none"> ■ extreme volumetric stability ■ low viscosity ■ no pulling away from metal ■ quick use by adding water ■ ready to use after initial heating 	<ul style="list-style-type: none"> ■ volumetric stability ■ precise duplicate impressions ■ transparent ■ elastic ■ durable ■ low viscosity 	<ul style="list-style-type: none"> ■ high elasticity and tear resistance ■ models can be easily removed from the duplicating material 	<ul style="list-style-type: none"> ■ very clean duplication with all model stones ■ very good price-performance ratio
Areas of use					
Non-precious metal casting technique	X	X	X	X	-
Combination work	X	X	-	-	-
Acrylic pouring technique	X	X	X	X	-
Suitable for second plaster models	-	-	-	X	X
Suitable for model casting investment material	X	X	X	X	-
Technical data					
Color	opaque, light blue	transparent, yellow	transparent, orange	transparent, violet	pink
Typical repeated melting cycles (at optimal lab conditions)	25	20	15	15	12
Product characteristics					
Elasticity and tearing 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 with attachments	very high, also with attachments	high	high	high
Suitable for micro waving	X	X	X* * please observe extra instructions!	X	X
Ordering information					
Availability	Container (5 kg) REF 108-610-00	Container (6 kg) REF 108-600-00	Container (6 kg) REF 108-500-00	Container (5 kg) REF 165-500-00	Container (5 kg) REF 165-501-00
Availability	Packaged portions Micro (4 x 350 g) REF 108-615-00	Concentrate (3.7 kg) REF 108-605-00	Concentrate (2.9 kg) REF 108-550-00	Concentrate (2.7 kg) REF 165-550-00	

Cast partial denture

Alloys



remanium® GM 800+

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

Advantages:

- fracture resistant due to excellent physical properties
- high modulus of elasticity allows delicate but still rigid constructions
- even less risk of clasp fractures due to increased yield strength
- the right moment for casting is shown when the melt has a mirrorlike shine. No overheating of melt results in smooth and clean castings
- highly brilliant 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	6 %
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 casting ingots	6 g

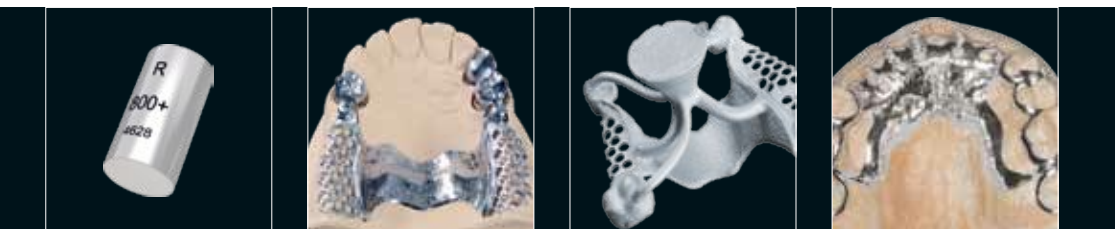
REF 102-200-10	1000 g
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CE 0483

Composition (percentage by mass)

Co	Cr	Mo	Si
63.3	30	5	1

Additional elements ≤ 1 %: C, Mn, N



remanium® GM 380+

Time-tested, spring-hard alloy for all types of cast 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 mirrorlike shine. No overheating of melt results in smooth and clean castings
- reduced surface hardness
- easy preparation and polishing
- the high elongation at break value promotes activation

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

Norm: DIN EN ISO 22674, Type 5

Technical data

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

REF 102-001-10	1000 g
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CE 0483

Composition (percentage by mass)

Co	Cr	Mo
64.6	29	4.5

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



Online-Shop

Dentaurum



Cast partial denture

Alloys



remanium® GM 900

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

Advantages:

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

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

Norm: DIN EN ISO 22674, Type 5

Technical data

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

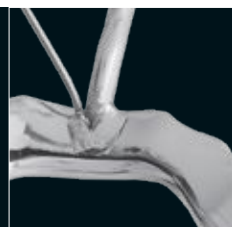
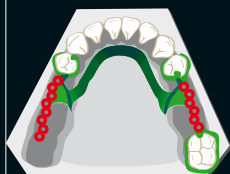
REF 102-250-00	1000 g
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CE 0483

Composition (percentage by mass)

Co	Cr	Mo	Si	Ta
62	30	5.5	1.2	1.2

Additional elements ≤ 1 %: N



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 cast denture alloys

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

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

REF 102-306-00	3 g
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CE 0483

Composition (percentage by mass)

Co	Cr	Mo	Si	B
69.8	19	5	5	1.2

without flux



Soldering rods for chrome-cobalt

- incl. flux
- no discoloration

Area of application:

- all CoCr partial cast denture alloys

Liquidus temperature	1100 °C / 2012 °F
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REF 142-100-50	6 rods
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CE 0483

Composition (percentage by mass)

Co	Cr	Ni	Si	W
50	18	17	8	4



White gold solder

- in rods
- ready fluxed
- Purity: ct 18.6
- cadmium free

Ø	1-1.1 mm
Working temperature	950 °C / 1742 °F

REF 380-600-50	1.6 g
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CE 0483

Composition (percentage by mass)

Au	Ni	Zn
77.0	16.0	6.0

with flux



Universal silver solder

- in rods
- ready fluxed
- cadmium free

Ø	1-1.1 mm
Working temperature	700 °C / 1292 °F

REF 380-604-50	1.2 g
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REF 380-604-60	10 x 1.2 g
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CE 0483

Composition (percentage by mass)

Ag	Zn	Cu
59	24	16

with flux



Universal silver solder

- in coils
- without flux
- cadmium free

Working temperature	700 °C / 1292 °F
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REF 380-704-50	10 g
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CE 0483

Composition (percentage by mass)

Ag	Zn	Cu
59	25	16

without flux



Cast partial denture

Solders and welding wires



rema® Flux 1

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

REF 102-304-00

25 g



Dentaflux® flux

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

REF 681-100-00

50 g



Heat protection

Protects metals, plastics and ceramic parts against heat damage during soldering.

REF 380-070-00

100 g



CoCr welding wire

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

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

CE⁰⁴⁸³

Composition (percentage by mass)

Co	Cr	Mo
65	28	5.5

Additional elements ≤ 1 %: Mn, Si



rema® dynamic S

Universal, quick model casting investment material.

Advantages:

- complete flexibility in the preheating stage
 - speed heating
 - reduced quick heating from 600 °C / 1112 °F
 - conventional preheating
- suitable for combination prosthetics
 - impressive accuracy even with complicated structures
- universally suitable in all duplicating procedures
 - compatible with duplicating materials silicone and gel
- excellent accuracy
 - knife edge stability and smoothness

Norm: DIN EN ISO 15912

Type 2

Class 1, 2

Working time	3-4 min
Preheating	Consistent heating, Partial-Speed process, Speed process
Preheating temperature	900-950 °C / 1652-1742 °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 105-610-85	20 kg (8 x 2.5 kg)
REF 105-609-50	8 kg (16 x 500 g)



rema® dynamic S mixing liquid

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

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

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

To be used for speed preheating.

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

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-623-50	1 l
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Special tooth-arch concentrate

For the one-piece casting technique.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-621-00	250 ml
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Investment materials



rema® Exakt F

Fine and exact model casting investment material.

Advantages:

- improved development of the classic rema® Exakt
 - the well proven recipe was optimized with a finer grain size
- very easy, pleasant working
 - fine consistency
 - adequate working time
 - reduced dust
- very high accuracy
 - perfectly fitting castings in all areas
- especially light devestment
 - very soft devestment and light sand blasting

Norm: DIN EN ISO 15912

Type 2

Class 1

Working time	3-4 min
Preheating	Consistent heating, Heating with holding time
Preheating temperature	950-1000 °C / 1742-1832 °F
Compression resistance	10-14 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

Classical, robust, model casting investment material.

Advantages:

- very uncomplicated operation
 - good results even in extreme laboratory conditions
- reproducible precision
 - maintains the same high accuracy from casting to casting
- especially recommended for gel duplications
 - quick setting increases the quality with gel duplications
- universal procedure
 - especially economical due to addition of water

Norm: DIN EN ISO 15912

Type 2

Class 1

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

REF 105-021-00	20 kg (100 x 200 g)
REF 105-008-00	8 kg (20 x 400 g)
REF 105-020-00	20 kg (50 x 400 g)
REF 105-020-80	20 kg (8 x 2.5 kg)

rema® Exakt, rema® Exakt F mixing liquid

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

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

REF 105-501-00

1 l



Power Liquid mixing liquid, concentrate

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

- reduces transport costs
 - freedom over degree of expansion
- Approx. 2000 ml mixing liquid are sufficient for 20 kg investment material.

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

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

REF 105-502-00

1 l



Fine investment materials



RK-DUR fine investment

By means of metal oxide in the RK-DUR fine investment, the liquid melt is stimulated to increase the grain formation in the solidification phase. Improves the mechanical properties of CoCrMo alloys.

- RK-DUR improves proof stress, tensile strength and elongation at break
- no vacuum investing needed for muffle ring
- durable, hard ceramic coating
- produces smooth casting surfaces
- easy application
- easy deinvesting
- long shelf life

Color: blue

REF 104-400-50

150 g



RK 3 fine investment

For coating wax and plastic patterns when using phosphate-based investments, e. g. rema® Exakt. Not suitable for ethyl silicate investments. Ready-to-use.

- no vacuum investing needed for muffle ring
- durable, hard ceramic coating
- produces smooth casting surfaces
- easy to agitate
- easy application
- easy deinvesting
- long shelf life

Color: blue

REF 104-501-50

150 g

Dublitol® duplicating gel

Opaque, contrast sharp top-quality duplicating gel with properties similar to silicone.

- crisp surface details
 - optimal contrasts due to the new light blue, opaque color
- outstanding tear-strength
 - high edge strength when removing the master model
- excellent precision
 - excellent reproduction
 - excellent thermal stability
 - long shelf life ensures cost-effectiveness
- will not discolor stone models
- biodegradable
- smooth surfaces
- suitable for microwave units
- can be melted up to 25 times

Area of application:

- cast partial dentures
- fixed/removable restorations
- acrylic pouring technique

Color: opaque, light blue

REF 108-610-00

5 kg



Dublitol® micro

Opaque, contrast-sharp top-quality duplicating gel with properties similar to silicone.

Innovative small portions:

Duplicating gel for use in microwaves

- can be used very quickly
- easy handling
- minimal technical requirements
- cost saving, can be re-melted up to 25 times

Specifically for laboratories which only require small amounts of duplicating material. Dublitol® micro is easily melted in a microwave and cools to working temperature in a very short period. Dublitol® micro is impressive as it reproduces details with absolute dimensional stability, has a long shelf-life and is a natural, biodegradable product.

Area of application:

- cast partial dentures
- fixed/removable restorations
- acrylic pouring technique

Color: opaque, light blue

REF 108-615-00

4 x 350 g



Duplicating materials



Dubliform

Time-tested quality duplicating gel with good price-performance ratio.

- constant volume
- precise moulding
- transparent
- elastic
- stable
- easy flowing
- can be melted up to 15 times

Area of application:

- cast partial dentures
- acrylic pouring technique

Color: transparent, orange

REF 108-500-00

6 kg



Dubliform liquid concentrate

Time-tested quality duplicating gel with good price-performance ratio.

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

Area of application:

- cast partial dentures
- acrylic pouring technique

Color: transparent, orange

REF 108-550-00

2.9 kg



Duplikat

Proven top-quality transparent precision duplicating gel. Suitable for phosphate-based and ethyl silicate investments.

- no shrinkage at metal primary parts
- outstanding fit
- smooth metal surfaces
- long shelf life
- can be melted up to 20 times

Area of application:

- cast partial dentures
- fixed/removable restorations
- acrylic pouring technique

Color: transparent, yellow

REF 108-600-00

6 kg

Duplikat liquid concentrate

Proven top-quality transparent precision duplicating gel.
Suitable for phosphate-based and ethyl silicate investments.

- extremely stable in volume
- low viscosity
- no shrinkage at metal primary parts
- easy processing by only mixing with water
- ready to use after first heat up
- Mixing ratio: 1 l gel : 0.5 l water
- produces 5.2 kg ready-to-use duplicating gel

Area of application:

- cast partial dentures
- fixed/removable restorations
- acrylic pouring technique

Color: transparent, yellow

REF 108-605-00

3.7 kg



Dubliplast®

Universal quality duplicating gel for dental stone and investments.

- tear resistant due to high elasticity
- easy removal of models from duplicating material
- can be melted up to 15 times

Area of application:

- cast partial dentures
- acrylic pouring technique
- dental stone duplication

Color: transparent, violet

REF 165-500-00

5 kg



Dubliplast® liquid concentrate

Universal quality duplicating gel for dental stone and investments.

- easy processing by only mixing with water
- ready to use after first heat up
- Mixing ratio: 1 l gel : 1 l water
- produces 5.2 kg ready-to-use duplicating gel

Area of application:

- cast 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 plaster.

- extremely clean duplications with all types of plaster
- excellent cost-effectiveness

Area of application:

- dental stone duplication

Color: pink

REF 165-501-00

5 kg



Cast partial denture

Duplicating materials



rema® Sil

Additional cross-linked pure silicone for a high standard of quality.

- pure silicone without fillers
 - large quantity 950 ml and 1 kg
 - long storage time
- low level of hardness
 - high degree of accuracy due to free investment expansion
- extremely thin flowing consistency
 - bubble free impression of detailed structures
- very quick setting time and fast elastic recovery
 - great time saver

Component	Color	REF	Quantity	REF	Quantity
A (Catalyst)	white	108-700-00	1 kg	108-710-00	5 kg
B	blue	108-701-00	1 kg	108-711-00	5 kg

Technical data	A (Catalyst)	B
Mixing ratio	1 : 1	
Viscosity	1400 mPas	
Density	1060 g/l	1070 g/l
Working time	4-5 min	
Setting time	12 min	
Shore hardness A	10-12	
elastic memory	99.9 %	



ecosil +

Additional cross-linked two component silicone with excellent value for money.

- good color contrast
 - green color prevents mixing errors
- extremely thin flowing consistency
 - highly accurate duplicate reproduction
- long working time
 - can be used to re-cast models many times
- medium Shore hardness A (19)
 - use also with ring free duplicating systems

Caution! Components A or B of ecosil + should not be mixed with the previous ecosil!

Component	Color	REF	Quantity	REF	Quantity
A (Catalyst)	yellow	108-703-10	1 kg	108-705-10	5 kg
B	blue	108-704-10	1 kg	108-706-10	5 kg

Technical data	A (Catalyst)	B
Mixing ratio	1 : 1	
Viscosity	2000 mPas	
Density	1160 g/l	
Working time	6-8 min	
Setting time	30 min	
Shore hardness A	18-20	
elastic memory	99.9 %	



Tap

For 5 kg canister.

REF 108-716-00

1 piece



Duplicating flask

Quick, regulated setting of duplicating material with all duplicating gels.

- corrosion resistant metal flask
- support for individual positioning of sprue former
- two bases for large and small models
- sprue former with metal pin (REF 127-312-00).
Fixation is made by means of holding device

REF 165-700-00

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



Model forceps

For parallel removal of the master cast from the investment.
Material: Stainless steel

REF 008-030-00

1 piece



Duplicating materials – Accessories



Siliform duplicating flasks

Plastic flasks for silicone and reversible duplicating materials.

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

Up to 30 % savings

Size	Internal height of flask top	Color	REF	Quantity
small	35 mm	clear	127-315-00	1 piece
medium	43 mm	clear	127-316-00	1 piece
large	51 mm	clear	127-317-00	1 piece



rema® Form base, smooth

Fits all Dentaaurum 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.

Up to 30 % savings

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
-----------------------	-------

Contents:

1 x Siliform duplicating flasks, small	REF 127-315-00
1 x Siliform duplicating flasks, medium	REF 127-316-00
1 x Siliform duplicating flasks, 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
-----------------------	-------

Neo-Star flask

Duplicating flasks for silicone – multifunctional for the cast partial denture technique. Suitable for all model sizes.

Function:

- saves duplicating silicone due to height adjustment
- plaster models are articulated using magnets
- the investment model may be replaced accurately into the articulator
- investment system

REF 165-810-00	1 set
Contents:	
1 x Flask bottom section	REF 165-850-00
1 x Base form for gypsum	REF 165-851-00
1 x Base form for investment material	REF 165-858-00
1 x Covering plate	REF 165-852-00
1 x Spacer ring 0.7 mm	REF 165-855-00
1 x Spacer ring 0.8 mm	REF 165-856-00
1 x Spacer ring 0.9 mm	REF 165-857-00
1 x Collar	REF 165-853-00
1 x Top	REF 165-854-00
1 x Magnet	REF 165-839-00
1 x Tightening slide	REF 165-860-00



Neo-Star individual flask components

Designation	Thickness	REF	Quantity
Flask bottom section, Inner ø 78 mm		165-850-00	1 piece
Base form for gypsum		165-851-00	1 piece
Base form for investment material		165-858-00	1 piece
Covering plate		165-852-00	1 piece
Spacer ring	0.7 mm	165-855-00	1 piece
Spacer ring	0.8 mm	165-856-00	1 piece
Spacer ring	0.9 mm	165-857-00	1 piece
Collar		165-853-00	1 piece
Top		165-854-00	1 piece
Magnet		165-839-00	1 piece
Tightening slide		165-860-00	1 piece



Cast partial denture

Duplicating materials – Accessories



Septisol

Separating agent with dual function, alcohol-free.

- **Plaster against silicone**

Spray on plaster models prior to silicone duplication.

- **Plaster against plaster**

Spray on plaster model base before mounting in articulator.

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



Lubrofilm®

Double function

- **Silicone surface tension reducing agent**

Allows bubble free pouring of investment into silicone mould.

- **Wax surface tension reducing agent**

Reduces surface tension on wax and facilitates investing.

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



Lubrofilm® plus

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.

- very quick to evaporate: this prevents damage of investment material or plaster

- even better and more homogenous surface covering

- pleasant smell

REF 112-053-00	100 ml
REF 112-054-00	1 l

Remadur

Solvent free cold model hardener for investment models.

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



REF 167-301-00	1 l
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Cold model hardener

Cold model hardener containing solvent for investment models.

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

Recommended working container:
cleaned duplicating tube with cover.



REF 167-215-00	2.3 kg
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Online-Shop

Dentaurum



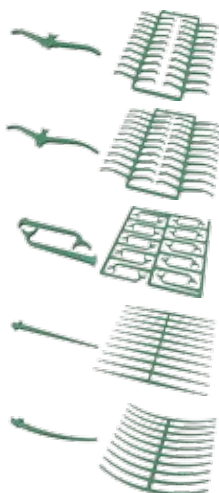
Cast partial denture

Waxes

Preformed clasps

- excellent adaptability
- outstanding adhesion
- burn out residue-free
- two qualities of wax

Color: green



Designation		Standard-Quality REF	Soft-Quality REF	Quantity
Premolar clasps	PK	110-001-00	110-001-50	200 pieces
Molar clasps	MK	110-002-00	110-002-50	200 pieces
Bonyhard clasps	TK 2	110-003-00	110-003-50	200 pieces
Ring clasps, straight	RKG	110-013-00	110-013-50	200 pieces
Ring clasps, curved	RK	110-005-00	110-005-50	200 pieces

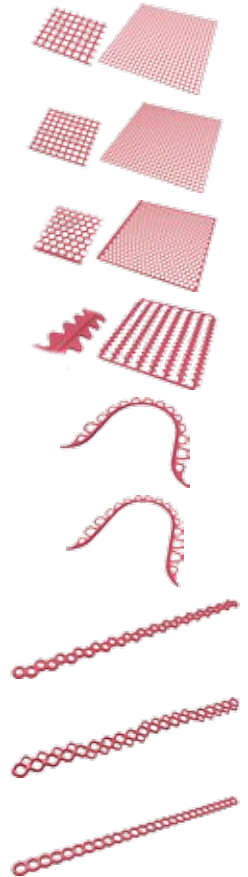


Wax retentions

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

Color: red

Designation		Standard-Quality REF	Soft-Quality REF	Quantity
Grids, coarse	RN I	110-101-00	110-101-50	20 pieces
Grids, fine	RN II	110-102-00	110-102-50	20 pieces
Grids, round	RN III	110-103-00	110-103-50	20 pieces
Ridge retention	KR	110-006-00	110-006-50	80 pieces
Loop retention, small	PR I	110-011-00	110-011-50	24 pieces
Loop retention, large	PR II	110-012-00	110-012-50	24 pieces
Perforated retention for lower staggered, length 130 mm, width 7 mm	LR	111-216-00	111-216-50	25 pieces
Perforated retention for lower staggered, length 110 mm, width 9 mm	LR I	111-217-00	111-217-50	25 pieces
Perforated retention for lower straight, length 125 mm, width 6 mm	LR II	111-218-00	111-218-50	25 pieces



Waxes



Wax wire on rolls

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

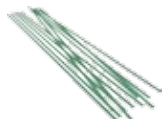
∅	Soft-Quality REF (blue)	Standard-Quality REF (violet)	Quantity
2.0 mm	111-720-00		250 g
2.5 mm	111-825-00	111-425-00	250 g
3.0 mm	111-830-00	111-430-00	250 g
3.5 mm	111-835-00	111-435-00	250 g
4.0 mm	111-840-00	111-440-00	250 g
5.0 mm	111-850-00	111-450-00	250 g



Wax wire rods

- for retention etc.
- easily adaptable

∅	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 bars, half-round

- used for strengtheners
- easily adaptable

∅	Standard-Quality REF (green)	Soft-Quality REF (green)	Quantity
● 1.5 x 0.75 mm	111-301-00		25 g
◐ 1.8 x 0.9 mm	111-303-00	111-303-50	50 g
◐ 2.0 x 1.0 mm	111-304-00	111-304-50	50 g
◐ 3.5 x 1.75 mm	111-306-00	111-306-50	65 g



Preformed wax bars, lingual bars

- easily adaptable

∅	Standard-Quality REF (green)	Soft-Quality REF (green)	Quantity
◐ 4.0 x 2.0 mm	111-314-00	111-314-50	65 g
◐ 4.0 x 1.7 mm	111-308-00	111-308-50	65 g
◐ 4.3 x 2.3 mm	111-313-00	111-313-50	65 g

Preformed wax bars, sprue strips

- easily adaptable

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



Preformed wax bars, finishing lines

- easily adaptable

Width x Thickness	Color	REF	Quantity
2.0 x 1.0 mm	blue	111-312-00	25 g



Preparation wax

- adhesive
 - Application: relinable saddles
 - soft and transparent
- Dimensions (L x W): 100 x 100 mm

Thickness	Color	REF	Quantity
0.3 mm	transparent	120-023-00	32 sheets
0.4 mm	transparent	120-024-00	32 sheets
0.5 mm	transparent	120-025-00	32 sheets
0.65 mm	transparent	120-026-00	32 sheets
0.75 mm	transparent	120-027-00	32 sheets



Relining wax

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

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



Waxes



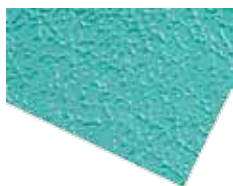
Wax sheets

Surface: plain

- a very adaptable quality
- excellent adaptation and adhesion behaviour

Dimensions (L x W): 150 x 70 mm

Thickness	Standard-Quality REF (green)	Soft-Quality REF (green)	Quantity
0.2 mm	114-420-00		15 sheets
0.25 mm	114-425-00		15 sheets
0.3 mm	114-430-00	114-430-50	15 sheets
0.35 mm	114-435-00	114-435-50	15 sheets
0.4 mm	114-440-00	114-440-50	15 sheets
0.5 mm	114-450-00	114-450-50	15 sheets
0.6 mm	114-460-00	114-460-50	15 sheets
0.7 mm	114-470-00	114-470-50	15 sheets
0.8 mm	114-480-00	114-480-50	15 sheets
1.0 mm	114-500-00	114-500-50	15 sheets



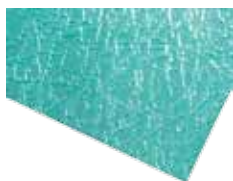
Wax sheets

Surface: fine veined

- the stronger vein and stripping design gives the upper denture amore natural surface structure
- a very adaptable quality
- excellent adaptation and adhesion behaviour

Dimensions (L x W): 150 x 70 mm

Thickness	Standard-Quality REF (green)	Soft-Quality REF (green)	Quantity
0.35 mm	117-035-00	117-035-50	15 sheets
0.4 mm	117-040-00	117-040-50	15 sheets
0.45 mm	117-045-00	117-045-50	15 sheets
0.5 mm	117-050-00	117-050-50	15 sheets
0.6 mm	117-060-00	117-060-50	15 sheets



Wax sheets

Surface: medium veined

- the stronger vein and stripping design gives the upper denture amore natural surface structure
- a very adaptable quality
- excellent adaptation and adhesion behaviour

Dimensions (L x W): 150 x 70 mm

Thickness	Standard-Quality REF (green)	Soft-Quality REF (green)	Quantity
0.3 mm	117-130-00	117-130-50	15 sheets
0.35 mm	117-135-00	117-135-50	15 sheets
0.4 mm	117-140-00	117-140-50	15 sheets
0.45 mm	117-145-00	117-145-50	15 sheets
0.5 mm	117-150-00	117-150-50	15 sheets
0.6 mm	117-160-00	117-160-50	15 sheets

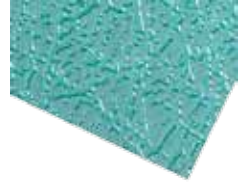
Wax sheets

Surface: coarse veined

- the stronger vein and stripping design gives the upper denture amore natural surface structure
- a very adaptable quality
- excellent adaptation and adhesion behaviour

Dimensions (L x W): 150 x 70 mm

Thickness	Standard-Quality REF (green)	Soft-Quality REF (green)	Quantity
0.35 mm	117-235-00	117-235-50	15 sheets
0.4 mm	117-240-00	117-240-50	15 sheets
0.45 mm	117-245-00	117-245-50	15 sheets
0.5 mm	117-250-00	117-250-50	15 sheets
0.6 mm	117-260-00	117-260-50	15 sheets



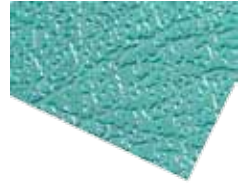
Wax sheets

Surface: coarse grained

- the stronger vein and stripping design gives the upper denture amore natural surface structure
- a very adaptable quality
- excellent adaptation and adhesion behaviour

Dimensions (L x W): 150 x 70 mm

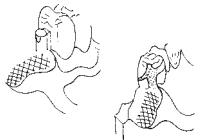
Thickness	Standard-Quality REF (green)	Soft-Quality REF (green)	Quantity
0.4 mm	118-040-00	118-040-50	15 sheets
0.45 mm	118-045-00	118-045-50	15 sheets
0.5 mm	118-050-00	118-050-50	15 sheets
0.6 mm	118-060-00	118-060-50	15 sheets



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



Cast partial denture

Accessories



Marking pencil

Wax pencil

Color: white

REF 043-700-00

6 pieces



Wax-Fix

Adhesive for wax- and plastic patterns.

- adheres 100 % to the model

Application:

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

REF 110-210-00

50 ml



Adhesive for plastic patterns

For reliable retention with plastic patterns on the investment model.

REF 125-140-00

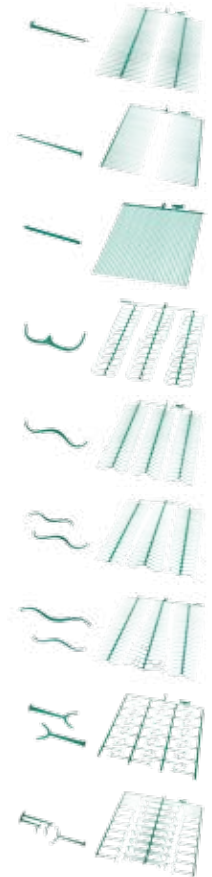
40 g

Plastic patterns - Preformed clasps

- adherent, easy application
- transparent
- form stable
- burn out residue-free

Color: green

Designation		REF	Quantity
Single arm clasp	G 1	125-250-50	10 sheets
Ring clasp	G 2	125-251-50	10 sheets
Continuous clasp, small	R 1 S	125-252-50	10 sheets
Double arm clasp with rest, medium	GR 2	125-256-50	10 sheets
Molar clasp	G 3	125-257-50	10 sheets
Double arm clasp small - large	G 4	125-258-50	10 sheets
Double arm clasp small - large, thin	G 4 S	125-259-50	10 sheets
Bonyhard clasp	G 5	125-260-50	10 sheets
Long arm clasps	G 6	125-261-50	10 sheets

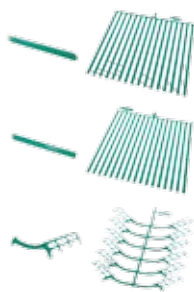


Accessories

Plastic patterns - Bars

- adherent, easy application
- transparent
- form stable
- burn out residue-free

Color: green

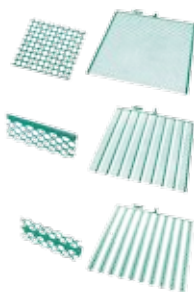


Designation		REF	Quantity
Lingual bar	1 B 1	125-264-50	10 sheets
Lingual bar, narrow	1 B 2	125-265-50	10 sheets
Lingual bar with retentions	BR 2	125-269-50	10 sheets

Plastic patterns - Retentions

- adherent, easy application
- transparent
- form stable
- burn out residue-free

Color: green



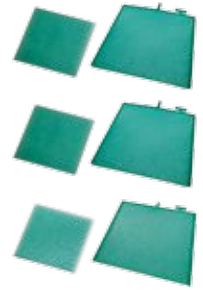
Designation		REF	Quantity
Mesh retentions	RT 1	125-270-50	10 sheets
Mesh retentions with finishing line, upper jaw	CR 1	125-272-50	10 sheets
Mesh retentions with finishing line, lower jaw	CR 2	125-273-50	10 sheets

Plastic patterns - Sheets

- adherent, easy application
- transparent
- form stable
- burn out residue-free

Color: green

Designation		REF	Quantity
0.5 mm, fine grained	24 S	125-275-50	10 sheets
0.4 mm, fine grained	26 S	125-276-50	10 sheets
0.4 mm, coarse grained	26	125-280-50	10 sheets



Plastic retentions

- for direct application to waxing model
- burn out residue-free

Color	REF	Quantity
yellow	126-221-00	500 pieces
yellow	126-222-00	500 pieces
yellow	126-226-00	500 pieces
yellow	126-231-00	500 pieces
yellow	126-232-00	500 pieces



REF 126-232-00 retention pins, mixed, large and small

Accessories



rema® Form casting ring

Quick investment system made from impact-resistant plastic.

Size	ø	Height	Color	REF	Quantity
small	71/96 mm	54.5 mm	green	127-306-00	1 piece
medium	80.5/96 mm	54.5 mm	red	127-307-00	1 piece
large	78/96 mm	70 mm	blue	127-308-00	1 piece



rema® Form base, smooth

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

REF 127-309-00	1 piece
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rema® Form base with cone

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

REF 127-310-00	1 piece
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Sprue former with retention

REF 127-311-00	1 piece
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Sprue former

Made from plastic with slide tube for insertion in the duplicating material.

- reliable, firm retention

REF 127-312-00	1 piece
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Adhesive coated strips for rings

- self-adhesive after moistening
- Dimensions (L x W): 300 x 80 mm

REF 127-100-00	100 sheets
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Lining paper

- corrugated paper
 - continuous roll
- Width: 100 mm

REF 127-010-00	25 m
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Sprues

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

REF 110-201-00	100 pieces
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Model and casting ring tongs

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

Length: 36.0 cm

REF 127-410-00	1 piece
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Muffle tongs

- for large and small muffles
- stainless

Length: 56.0 cm

REF 127-400-00	1 piece
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Accessories



Rapidur® synthetic dental stone

- extra hard, low expansion
- quick-setting

Application:

orthodontics, cast partial denture work,
precious metal, acrylic, ceramics

Norm: DIN EN ISO 6873

Class 4

Mixing ratio (g : ml)	100 : 24
Setting expansion	max. 0.15 %
Working time	min. 3 min
Compression resistance	min. 35 MPa
Setting time	max. 30 min
Color	white

REF 164-450-00

6 kg



Mixing bowl

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

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



Electropolishing solution

For CoCr castings.

- produces a brilliant surface finish
- deep acting, does not leave streaks

REF 128-301-00

1 l

REF 128-401-00

10 l



Measuring beaker universal

Measuring range in 1 mm steps.

Capacity: 60 ml

REF 105-995-00

1 piece

Casting metals	Page 198
Investment materials	Page 200
Investment materials – Accessories	Page 203
Attachments and accessories	Page 205
Finishing	Page 209

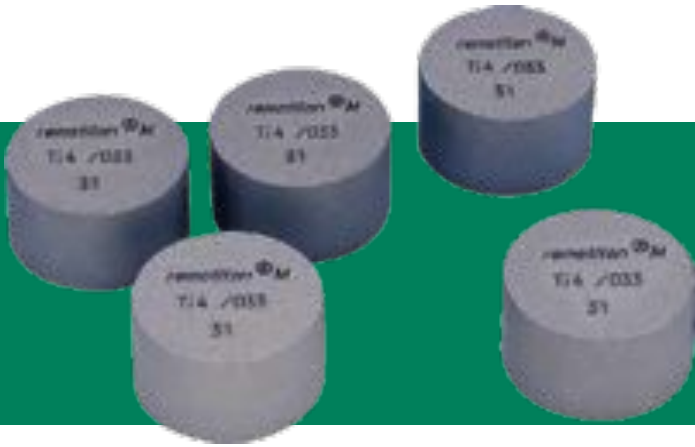


Titanium.

The most biocompatible metal.



- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■
- Titanium** ■
- Finishing ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■
- Pliers | Instruments ■
- Equipment ■
- Implantology ■
- Knowledge ■
- Courses ■
- Service ■



High-tech in dentistry.

Titanium is not only used in the aerospace industry but also in many different areas in medicine. It forms a passive and protective oxide layer which increases its corrosion resistance. Titanium is therefore a compatible alternative for patients with allergies.

Leading competence.

Dentaurum has titanium products for the fields of prosthetics, orthodontics and of course implantology. There is a wide range of products available for the fabrication of titanium restorations. The modern implant system tiologic® is almost entirely based on titanium components.



Tritan casting metal

Pure titanium, Grade 1
with the lowest oxygen content.

Trinell investment material

Special titanium investment material
for crowns and bridges.

rematitan® finishing kit

All instruments required for finishing titanium
quickly and easily.

rematitan® attachments

High quality attachments
made of titanium.

Titanium accessories

All necessary equipment for casting titanium.

Casting metals



Tritan

Titanium grade 1

Norm: DIN 17862, DIN EN ISO 22674

min. 99.5 % titanium

Good casting properties in casting machines designed specifically for titanium.

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

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

Advantages:

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

Indication: Crowns and bridges, Implant supported supra-structures, Cast partial dentures

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

CE 0483

Technical data

0.2% Yield strength $R_{p0.2}$	460 MPa
Tensile strength R_m	560 MPa
Hardness	200 HV 10
Modulus of elasticity E	110 GPa
Density	4.5 g/cm ³
Melting point	1668 °C / 3034.4 °F
CTE 25-500 °C / 77-932 °F	9.6 x 10 ⁻⁶ K ⁻¹



rematitan® M

Titanium grade 4

Norm: DIN 17862, DIN EN ISO 22674

min. 99.5 % titanium

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

Advantages:

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

Indication: Implant supported supra-structures, Cast partial dentures



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

CE 0483

Technical data

0.2% Yield strength $R_{p0.2}$	600 MPa
Tensile strength R_m	680 MPa
Hardness	210 HV 10
Modulus of elasticity E	120 GPa
Density	4.5 g/cm ³
Melting point	1668 °C / 3034.4 °F



Investment materials



Trinell

Special spinel investment for titanium casting with crowns and bridges – can be speed heated.

Advantages:

- minimum oxidation of the titanium castings
- maximum accuracy of fit, even with large frameworks
- universal application for every casting machine
- greater reliability due to increased strength

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

Working time	6 min
Preheating	Heating with holding time, Speed process
Preheating temperature	870-900 °C / 1598-1652 °F
Color	yellow

REF 107-654-00	7 kg (28 x 250 g)
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Trinell mixing liquid

Approx. 1000 ml mixing liquid are sufficient for 7 kg investment material.

REF 107-653-00	1 l
----------------	-----



Trinell special speed liquid

Approx. 1000 ml mixing liquid are sufficient for 7 kg investment material.

REF 107-655-00	1 l
----------------	-----

rematitan® Plus

Universal titanium investment for all areas.

Advantages:

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

Norm: DIN EN ISO 15912

Type 1, 2

Class 1

Working time	3-4 min
Preheating	Heating with holding time
Preheating temperature	1000 °C / 1832 °F
Compression resistance	5-8 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 framework casting

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

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 107-601-00	1 l
----------------	-----



rematitan® Plus mixing liquid for crowns and bridges

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

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 107-602-00	1 l
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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



rematitan® Plus speed

Universal, speed titanium investment for all areas.

Advantages:

- can be used with the speed technique both for cast partial denture and crown and bridge work
- operation in simple preheating furnaces possible
- patented stabilizing procedure
- easy to use with only one mixing liquid

Norm: DIN EN ISO 15912

Type 1, 2

Class 1, 2

Working time	4-5 min
Preheating	Heating with holding time, Speed process
Preheating temperature	950 °C / 1742 °F
Compression resistance	9-10 MPa
Color	red

REF 107-620-00 | 20 kg (80 x 250 g)



rematitan® Plus speed mixing liquid

Approx. 2800 ml mixing liquid are sufficient for 20 kg investment material.

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

REF 107-625-00 | 1 l

rema® Form casting ring

Quick investment system made from impact-resistant plastic.

Size	ø	Height	Color	REF	Quantity
small	71/96 mm	54.5 mm	green	127-306-00	1 piece
medium	80.5/96 mm	54.5 mm	red	127-307-00	1 piece
large	78/96 mm	70 mm	blue	127-308-00	1 piece

**rema® Form base, smooth**

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

REF 127-309-00	1 piece
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**Sprue former**

Application for rematitan®/autocast casting machines.
Material: Plastic

REF 090-027-00	5 pieces
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**Muffle rings flexible for the rematitan® investment system**

- can be reused
- according to size, the rings can be pressed over the base

Size	REF	Quantity
3	106-840-00	1 piece
6	106-841-00	1 piece
9	106-842-00	1 piece

**Muffle ring - stainless steel**

- heat-resistant
- sturdy design

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

**Muffle base with sprue former**

- application with metal casting rings and flexible casting rings
- solid plastic

Size	REF	Quantity
3	106-850-01	1 piece
6	106-851-01	1 piece
9	106-852-01	1 piece



Investment materials – Accessories



Fixing ring

- connection of the ring base and metal casting rings

Size	REF	Quantity
3	106-845-00	1 piece
6	106-846-00	1 piece
9	106-847-00	1 piece



Kera-Vlies®

Asbestos-free liner for metal casting rings in the crown and bridge technique.

- Kera-Vlies® is now manufactured with enhanced biological quality. It even 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
1.0 x 50 mm	25 m	127-250-00	1 piece
2.0 x 50 mm	15 m	127-251-00	1 piece

rematitan® wire on coils

Titanium grade 1

Norm: DIN 17850

For laser welding.

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



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

CE 0483



rematitan® straight wire

Titanium grade 1

Norm: DIN 17850

For laser welding.

Recommended as strengthener wire with fixed titanium RPE appliances (Titanium hyrax® Maxi - 12).



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

CE 0483



rematitan® straight wire

Titanium grade 4

Norm: DIN 17850

For laser welding.

Recommended for axes of swing locks.

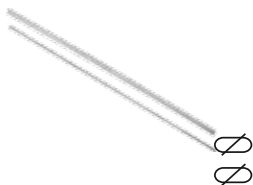


ø	Length	REF	Quantity
1.50 mm / 59	50 mm	528-050-00	1 piece

CE 0483



Attachments and accessories



rematitan® straight wire

Titanium grade 1
Norm: DIN 17850
For laser welding.

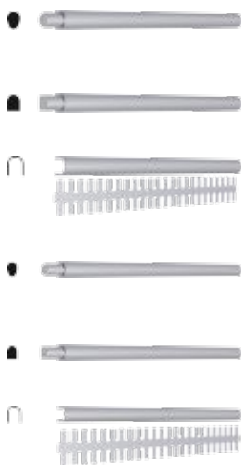
ø pressed	Length	REF	Quantity
0.25 x 3.0 mm / 10 x 118	each 100 mm	528-044-00	10 pieces
0.5 x 1.5 mm / 20 x 59	each 100 mm	528-043-00	10 pieces

CE 0483



rematitan® bars

Titanium grade 4
rematitan® bars have the same cross-section as precious alloy bars.
All respective auxiliary parts can be used.



Designation	Dimensions (L x W x H)	REF	Quantity
Bar hinge macro + Bar sleeve + Retention	40 x 2.1 x 3.0 mm	210-010-00	1 piece
Bar attachment macro + Bar sleeve + Retention	40 x 2.1 x 3.0 mm	210-011-00	1 piece
Bar sleeve macro + Retention		210-012-00	1 pair
Bar hinge micro + Bar sleeve + Retention	40 x 1.6 x 2.25 mm	210-020-00	1 piece
Bar attachment micro + Bar sleeve + Retention	40 x 1.6 x 2.3 mm	210-021-00	1 piece
Bar sleeve micro + Retention		210-022-00	1 pair

CE 0483



Parallel holders for bars

Available in 2 designs for bar hinges and bar attachments.

Version	Width	REF	Quantity
micro	1.6 mm	210-023-00	1 piece
macro	2.1 mm	210-013-00	1 piece

Attachments and accessories

Paralax

Device for parallel alignment of attachments for the laser welding technique.
Incl. 2 paralleling holders for bars:
1.6 mm (REF 210-023-00) and 2.1 mm (REF 210-013-00)

REF 090-520-00

1 piece



rematitan® attachments

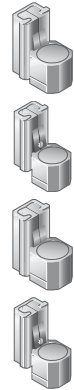
T-Attachment. Easy to activate or replace. Comes in 90° or 36°. Intracoronal retentive element which can be stress free welded into the cavity of the crown by means of a laser. Both versions also available as burnout plastic preformed females.

- attachment made of pure titanium
- prepared for laser welding
- with easy screw activation
- height reduction, approx. 40 %
- low male boxing
- replaceable male
- castable preformed plastic female
- male boxing can be glued into partial denture
- no alteration of metal structure when laser welding is applied

Matrix sizes:

Height 5.4 mm
Width 2.8 mm
Depth 1.6 mm

Designation	REF	Quantity
90° complete Ti-Ti	240-010-00	1 piece
36° complete Ti-Ti	240-020-00	1 piece
90° complete Ti-plastic female part	240-012-00	1 piece
36° complete Ti-plastic female part	240-022-00	1 piece



Attachments and accessories

rematitan® attachment accessories

All individual segments of the rematitan® attachment can be ordered separately.



Designation	REF	Quantity
Plastic female	240-030-00	1 piece
Titanium female	240-031-00	1 piece
Male 90°	240-015-00	1 piece
Male 36°	240-025-00	1 piece
Male part casing	240-035-00	1 piece
Activating screw	240-036-00	1 piece
Tapered nut	240-037-00	1 piece
Parallel holder	240-040-00	1 piece
Activating screwdriver	240-041-00	1 piece
Tapered-nut key	240-042-00	1 piece



rematitan® attachment Starter Set



REF 240-001-00	1 set
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Contents:

1 x Parallel holder	REF 240-040-00
1 x Activating screwdriver	REF 240-041-00
1 x Tapered-nut key	REF 240-042-00

rematitan® finishing kit

rematitan® is a soft, ductile material, which requires appropriate tools for trimming and polishing.

The kit contains all tools required to efficiently trim and polish titanium.

The enclosed instructions inform about sequence of finishing and important criterias of the tools used.

Consist of:

- Supercut ST cutting disc, ø 40 mm (1 piece)
- Supercut STM cutting discs, ø 26 mm (2 pieces)
- TX cutting discs, ø 22 mm (5 pieces)
- Hard-alloy cutter, mini (1 piece)
- Hard-alloy cutter, midi (1 piece)
- Hard-alloy cutter, maxi (1 piece)
- Hard-alloy cutter, maxi plus (1 piece)
- Aloxin grinder, violet, conical (1 piece)
- Aloxin grinder, violet, bud (1 piece)
- Emery cloth – 500 – (70 cm)
- Rubber polisher grey, discs (4 pieces)
- Rubber polisher red, discs (4 pieces)
- Rubber polisher red, lens (4 pieces)
- Rubber polisher red, cylindrical (4 pieces)
- Polishing brushes, ø 21 mm (4 pieces)
- Polishing brush, ø 60 mm,
Chungkin bristles, 2 rows (1 piece)
- Pointed brush (1 piece)
- Tiger brillant polishing paste (60 g)
- Mandrels for discs and lens (6 pieces)
- Mandrel for cylinders (1 piece)
- Mandrel for emery cloth (1 piece)

Application: Titanium

REF 135-500-00

1 set



Online-Shop

Dentaurum



Separating and grinding discs	Page 214
Grinding points	Page 217
Burs and cutters	Page 219
Diamond burs	Page 223
Mandrels	Page 228
Polishing tools and accessories	Page 229
rematitan® finishing kit	Page 236



Finishing.

Well coordinated product range.



- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■
- Titanium ■
- Finishing** ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■
- Pliers | Instruments ■
- Equipment ■
- Implantology ■
- Knowledge ■
- Courses ■
- Service ■



The right cut all around.

Each individual material requires its own special instruments in order to be handled with care. A great variety of diverse instruments such as ceramic bonded burs, tungsten carbide and diamond sintered burs, all contribute to economical working procedures.

Finishing and polishing made easy.

Even hard and difficult materials can be easily polished with the correct instruments. Special, individual polishing pastes play an important role.



Supercut Separating discs

Maximum cutting efficiency,
minimal breakage risk.

Grinding points

Ceramic bonded grinding points.

Super hard metal burs

Tungsten carbide, precision cut.

Diasint

Sintered diamond burs.

Rubber polisher

High abrasive performance coarse – fine.

Polishing brushes

From linen to steel.

Polishing pastes

For quick high shine.

Separating and grinding discs

Supercut ST Separating discs

- maximum cutting efficiency
- minimal breakage risk
- excellent strength
- Nylon reinforced quality

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 35000 min⁻¹



Thickness	ø	REF	Quantity	REF	Quantity
0.50 mm	40 mm	130-102-00	10 pieces	130-102-40	40 pieces
0.70 mm	40 mm	130-103-00	10 pieces	130-103-40	40 pieces
1.00 mm	40 mm	130-101-00	10 pieces	130-101-40	40 pieces



Neu
New

Supercut Separating discs for ceramic

- diamond-coated
- very thin with a thickness of 0.25 mm
- double fibre reinforced
- very flexible
- high durability

Application: Ceramics

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 35000 min⁻¹

Thickness	ø	REF	Quantity
0.25 mm	20 mm	130-115-00	10 pieces

Supercut STM Separating disc

- maximum cutting efficiency
- minimal breakage risk
- excellent strength
- Nylon reinforced quality

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 35000 min⁻¹

Thickness	ø	REF	Quantity	REF	Quantity
0.50 mm	26 mm	130-111-00	20 pieces	130-111-40	40 pieces
1.00 mm	26 mm	130-112-00	20 pieces	130-112-40	40 pieces
0.30 mm	26 mm	130-113-00	20 pieces	130-113-40	40 pieces
0.20 mm	22 mm	130-114-00	20 pieces		



TX Separating disc

- maximum cutting efficiency

Application: CoCr alloys, Ceramics, Precious metal

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 25000 min⁻¹

Thickness	ø	REF	Quantity
0.26 mm	22 mm	130-512-00	100 pieces



TX-Flex Separating disc

- extremely thin
- 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
0.15 mm	22 mm	130-511-00	25 pieces



Separating and grinding discs

T Separating disc

Application: CoCr alloys, Precious metal

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 25000 min⁻¹



ISO Number	Thickness	ø	REF	Quantity
613.900.327.504.130	0.55 mm	13 mm	130-513-00	100 pieces
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 discs

- for fast grinding

Application: Metal

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 25000 min⁻¹

ISO Number	Thickness	ø	REF	Quantity
613.900.327.504.340	3.00 mm	34 mm	130-634-00	25 pieces



Grinding wheels

- extremely rapid grinding action
- based on alumina, will not contaminate surfaces

Application: all metals, Ceramics

Color: white

Recommended speed: 15000 min⁻¹

Maximum speed: 15000 min⁻¹

Thickness	ø	REF	Quantity
3.00 mm	22 mm	131-322-50	100 pieces

Pregrinding media

- for coarse grinding
- ceramic bonded corundum grinding points

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 30000 min⁻¹

ISO Number	Form	Hardness	Grain size	REF	Quantity
635.104.274.522.130	bullet, long	soft	coarse	134-000-00	12 pieces



Grinding points

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

Color: brown

Recommended speed: 30000-40000 min⁻¹

Maximum speed: 60000 min⁻¹

ISO Number	Form	Hardness	Grain size	REF	Quantity
635.104.107.511.065	cylindrical	soft	coarse	132-201-00	100 pieces
635.104.107.522.635	cylindrical	soft	medium	132-202-00	100 pieces
635.104.168.522.035	conical, (truncated conical)	soft	medium	132-203-00	100 pieces
635.104.316.522.090	wheel, inverted conical and conical, proximal concave	soft	medium	132-204-00	100 pieces
635.104.027.522.070	inverted conical, concave	soft	medium	132-205-00	100 pieces
635.104.012.532.065	inverted conical	soft	coarse	132-206-00	100 pieces



Grinding points

Grinding points

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

Color: pink

Recommended speed: 20000-30000 min⁻¹

Maximum speed: 60000 min⁻¹



ISO Number	Form	Hardness	Grain size	REF	Quantity
625.104.107.533.065	cylindrical	medium	coarse	132-801-00	100 pieces
625.104.107.533.050	cylindrical	medium	coarse	132-802-00	100 pieces
625.104.168.523.035	conical, (truncated conical)	medium	medium	132-803-00	100 pieces
625.104.316.523.090	wheel, inverted conical and conical, proximal concave	medium	medium	132-804-00	100 pieces



Aloxin-Points

- 100 % clean cutting due to pure aluminum oxide
- prevents flaw marks

Application: Non precious ceramic bonding alloys, Precious metal reduced ceramic bonding alloys

Color: violet

Maximum speed: 60000 min⁻¹



ISO Number	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	Form	Grain size	REF	Quantity
655.000.600.523.750	grindstone, rectangular shape	medium	137-900-00	2 pieces

Super hard metal burs and cutters with cross tothing cut, coarse

- high precision milled
- best cutting properties

Application: Acrylics, Cast partial denture

Recommended speed: 20000-25000 min⁻¹

Maximum speed: 50000 min⁻¹

ISO Number	Form	REF	Quantity
500.104.116.190.023	cylindrical, only side cutting	123-580-00	1 piece
500.104.137.190.023	cylindrical, end hemispherical	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



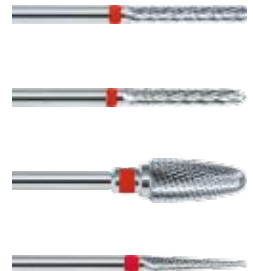
Super hard metal burs with cross tothing cut, fine

Application: Crowns and bridges, Cast partial denture

Recommended speed: 25000-30000 min⁻¹

Maximum speed: 50000 min⁻¹

ISO Number	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 burs

with cross toothing cut, super fine

Application: Crowns and bridges

Recommended speed: 35000-40000 min⁻¹

Maximum speed: 50000 min⁻¹



ISO Number	Form	REF	Quantity
500.104.137.110.023	cylindrical, end hemispherical	123-592-00	1 piece
500.104.194.110.023	conical, domed end	123-593-00	1 piece



Fissures burs

final toothed, wound right

Recommended speed: 10000 min⁻¹

Maximum speed: 20000 min⁻¹

ISO Number		Form	REF	Quantity
500.104.196.072.010	Fibo I	conical, domed end	260-801-10	3 pieces

Hard metal burs

drilltoothed, straight

- superior cutting properties

- high durability

Recommended speed: 25000-30000 min⁻¹

Maximum speed: 100000 min⁻¹



ISO Number	Form	REF	Quantity
500.104.001.001.006	spherical (round), \varnothing 0.6 mm	123-600-00	1 piece
500.104.001.001.008	spherical (round), \varnothing 0.8 mm	123-601-00	1 piece
500.104.001.001.023	spherical (round), \varnothing 2.3 mm	123-602-00	1 piece

Hard metal burs

Application: all alloys, very good with titanium (low pressing force)

Maximum speed: 15000 min⁻¹

ISO Number	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 burs

with cross tothing cut, coarse

- high precision milled
- best cutting properties

Application: Plaster, Acrylics

Recommended speed: 15000-20000 min⁻¹

Maximum speed: 30000 min⁻¹

ISO Number	Form	REF	Quantity
500.104.263.190.070	bud, rounded, slender	180-308-00	1 piece



Super hard metal burs

with cross tothing cut, coarse

- high precision milled
- best cutting properties

Application: Plaster, Acrylics

Recommended speed: 20000-25000 min⁻¹

Maximum speed: 30000 min⁻¹

ISO Number	Form	REF	Quantity
500.104.237.220.060	pear	123-594-00	1 piece
500.104.194.220.060	conical, domed end	123-596-00	1 piece



Burs and cutters

Super hard metal burs

with mill toothing cut, wound right

- tungsten carbide
- precision cut
- best cutting properties

Application: CoCr alloys, Acrylics

Recommended speed: 20000-25000 min⁻¹

Maximum speed: 30000 min⁻¹



ISO Number	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

Burs for acrylics

with mill toothing cut, straight

- cutting properties

Application: Acrylics

Maximum speed: 15000 min⁻¹



ISO Number	Size	Form	REF	Quantity
310.104.266.171.040	small	bud, rounded, long	180-201-00	1 piece
310.104.266.171.050	medium	bud, rounded, long	180-202-00	1 piece
310.104.260.171.070	medium	bud, rounded	180-304-00	1 piece
310.104.260.171.080	large	bud, rounded	180-305-00	1 piece

Diasint

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

Application: Non precious ceramic bonding alloys, Precious metal alloys, Ceramics, Acrylics, Cast partial denture alloys

Recommended speed: 30000 min⁻¹

Maximum speed: 50000 min⁻¹

ISO Number	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, end hemispherical	137-825-00	1 piece
807.104.012.524.016	small	inverted conical	137-829-00	1 piece
807.104.012.524.027	medium	inverted conical	137-830-00	1 piece



Diamond burs


Diasint

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

Application: Non precious ceramic bonding alloys, Precious metal alloys, Ceramics, Acrylics, Cast partial denture alloys

Recommended speed: 20000 min⁻¹

Maximum speed: 35000 min⁻¹




ISO Number	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, end hemispherical	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	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	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), for grinding and preparing the special tungsten electrodes

Maximum speed: 10000 min⁻¹

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



Diamond disc

- super flexible
- coated on both sides

Application: Ceramics, Acrylics, Metal

Recommended speed: 10000 min⁻¹

Maximum speed: 15000 min⁻¹

ISO Number	Grain size	Thickness	ø	REF	Quantity
806.104.355.504.220	extra fin	0.15 mm	22 mm	137-807-00	1 piece



Diamond cleaning stone

For the rapid cleaning of sintered diamond burs and discs.

REF 137-810-00	1 piece
----------------	---------



Diasint Zr 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
lens	137-841-00	1 piece



Diamond burs



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	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	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	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 super fine

Application: Ceramics

Recommended speed: 10000 min⁻¹

Maximum speed: 20000 min⁻¹

ISO Number		Form	Grain size	REF	Quantity
807.104.173.513.030	Sidio I	conical, (truncated conical)	fin	260-803-01	1 piece
807.104.027.513.027	Sidio II	inverted conical, concave, front and side cutting	fin	260-803-02	1 piece
807.104.257.513.030	Sidio III	bud, slender	fin	260-803-03	1 piece
807.104.161.513.025	Sidio IV	conical, pointed	fin	260-803-04	1 piece



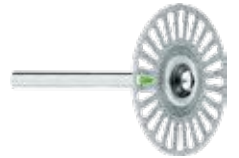
Diamond disc Highflex

Application: Ceramics

Recommended speed: 3000 min⁻¹

Maximum speed: 5000 min⁻¹

ISO Number	Form	REF	Quantity
806.104.402.504.220	disc, very thin, perforated, extant, 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	Form	REF	Quantity
806.104.355.504.090	disc, very thin, extant and edge cutting	260-804-01	1 piece



Mandrels

Mandrels

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	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	Form	ø	REF	Quantity
658.900.371.513.220	disc	22 mm	138-103-00	100 pieces
658.900.114.513.120	cylindrical, front and side cutting	6 mm	138-303-00	100 pieces



Rubber polisher

- abrasive performance medium

Application: Non precious alloys, Titanium

Color: grey

ISO Number	Form	ø	REF	Quantity
658.900.371.523.220	disc	22 mm	138-102-00	100 pieces
658.900.114.523.120	cylindrical, front and side cutting	6 mm	138-302-00	100 pieces



Polishing tools and accessories

Rubber polisher

- abrasive performance fine

Application: Non precious alloys, Precious metal alloys

Color: green



ISO Number	Form	ø	REF	Quantity
658.900.371.503.220	disc	22 mm	138-101-00	100 pieces
658.900.114.503.120	cylindrical, front and side cutting	6 mm	138-301-00	100 pieces
658.900.303.503.150	lens	15 mm	138-501-00	100 pieces

Rubber polisher

- abrasive performance very fine

Application: Precious metal alloys, Ceramics, Titanium

Color: red



ISO Number	Form	ø	REF	Quantity
658.900.371.533.220	disc	22 mm	138-601-00	100 pieces
658.900.114.533.120	cylindrical, front and side cutting	6 mm	138-602-00	100 pieces
658.900.303.533.220	lens	22 mm	138-603-00	100 pieces



Rubber polishing points, mounted

For demanding preparation techniques.

- centralized, steady design
- intensive rapid surface finishing

Color: black

ISO Number	Form	Grain size	REF	Quantity
652.104.292.513.050	torpedo, cylindrical	fin	138-605-00	12 pieces

Rubber polishing points, mounted

For demanding preparation techniques.

- centralized, steady design
- silky smooth surface polish

Color: green



ISO Number	Form	REF	Quantity
652.104.292.503.050	torpedo, cylindrical	138-606-00	12 pieces

Silicon polisher, mounted

- non-damaging to metal parts, clasps

Application: Orthodontics appliances, Pre-polishing of cast partial denture, soft remaining relining

Recommended speed: 10000 min⁻¹

Maximum speed: 15000 min⁻¹

ISO Number	Form	REF	Quantity
658.104.201.524.150	conical, domed end	138-620-00	10 pieces
658.104.497.524.100	bud oval	138-623-00	10 pieces



Polishing brush

- short Chungkin bristles, for polishing machines

Application: Orthodontics, Crowns and bridges, Cast partial denture

Maximum speed: 6000 min⁻¹

Number of brush ranges	ø	REF	Quantity
2	60 mm	141-711-00	10 pieces
3	60 mm	141-712-00	10 pieces



Polishing brush

- for polishing machines

Application: Orthodontics, Crowns and bridges, Plastic prosthetics, Cast partial denture

Maximum speed: 2800 min⁻¹

ø	REF	Quantity	REF	Quantity
50 mm	141-700-00	1 piece	141-700-10	10 pieces



Polishing brush

- combination Chungkin bristles/linen, for polishing machines

Application: Orthodontics, Crowns and bridges, Plastic prosthetics

Maximum speed: 1500 min⁻¹

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



Polishing tools and accessories



Brush, stainless steel

- stainless, for polishing machines

Application: Crowns and bridges, Cast partial denture

Recommended speed: 3000-4000 min⁻¹

Maximum speed: 5000 min⁻¹

ø	REF	Quantity
70 mm	127-870-00	1 piece



Palatal cup brush

- Chungkin bristles

Application: Orthodontics, Plastic prosthetics

Maximum speed: 3000 min⁻¹

ø	REF	Quantity	REF	Quantity
30 mm	141-713-10	1 piece	141-713-00	10 pieces



Cloth polishing brush

- for polishing machines

Application: Orthodontics, Crowns and bridges, Plastic prosthetics, Cast partial denture

Maximum speed: 5000 min⁻¹

ø	REF	Quantity
100 mm	181-200-00	1 piece



Chamois leather polishing brush

- for high shine polish, for polishing machines

Application: Orthodontics, Crowns and bridges, Plastic prosthetics, Cast partial denture

Maximum speed: 1500 min⁻¹

ø	REF	Quantity
90 mm	181-201-00	1 piece



Cloth polishing brushes, mounted

- for handpiece

Application: Orthodontics, Crowns and bridges, Plastic prosthetics, Cast partial denture

Recommended speed: 1500-4000 min⁻¹

Maximum speed: 5000 min⁻¹

ø	REF	Quantity
20 mm	181-100-01	6 pieces

Brush, stainless steel

- stainless, for handpiece

Application: Crowns and bridges, Cast partial denture

Recommended speed: 3000-4000 min⁻¹

Maximum speed: 5000 min⁻¹

ø	REF	Quantity	REF	Quantity
21 mm	127-922-00	1 piece	127-922-10	10 pieces



Brushes for polishing

- Chungkin bristles, for handpiece

Application: Crowns and bridges, Cast partial denture

Recommended speed: 3000-4000 min⁻¹

Maximum speed: 5000 min⁻¹

ø	REF	Quantity
21 mm	141-800-00	10 pieces



Pointed brush

- for polishing areas difficult to access e.g. fissures, secondary telescopes etc.

Color: black

Maximum speed: 10000 min⁻¹

REF 141-810-00	10 pieces
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Tiger brilliant polishing paste

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

Application: CoCr alloys, Precious metal alloys, NiCr alloys, Titanium

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



Tiger Starshine Universal finishing paste

- the ideal paste for final polishing

Application: all alloys, all metals

REF 190-301-00	50 ml
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Polishing and grinding paste

Produces a mirrorlike finish on metal surfaces.

4 bars approx. 250 g each

Application: CoCr casting

Color: white

REF 190-300-00	4 pieces
----------------	----------



Finishing

Polishing tools and accessories



Finishing paste

For high luster.

4 bars approx. 250 g each

Application: CoCr casting, Precious metal alloys

Color: yellow

REF 141-300-00

4 pieces



Finishing paste

Produces a brilliant high finish.

4 bars approx. 250 g each

Application: Precious metal alloys

Color: red

REF 141-500-00

4 pieces



Diarem Diamond polishing set

For producing a mirrorlike finish on metal surfaces.

Consist of:

- 1 x diamond polishing paste, 5 g
- 1 x polishing brush
- 1 x wool buff
- 1 x mounted felt cone, pointed
- 1 x rubber polishing wheel

REF 137-861-00

1 set



"Edelweiss" Acrylic dry polishing paste

REF 190-100-00

80 g



"Edelweiss" Acrylic polishing liquid

REF 190-200-00

1000 g

Polishing tools and accessories

Bur stand magnetic holder

Partly plastic.

- permanent magnets ensure firm retention of the instruments
- magnet holder without instruments
- do not use disinfectants containing ethanol, phenol or alcohol

REF 089-430-00

1 piece



Bur stand

Material: Plastic

- for 12 burs or abrasive stones. Bur stand without instruments
- Shaft \varnothing 2,35 mm
- do not use disinfectants containing ethanol, phenol or alcohol

Color: transparent, clear

REF 089-431-00

1 piece



Crown Master forceps

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

REF 260-300-02

1 piece



rematitan® finishing kit



rematitan® finishing kit

rematitan® is a soft, ductile material, which requires appropriate tools for trimming and polishing.

The kit contains all tools required to efficiently trim and polish titanium.

The enclosed instructions inform about sequence of finishing and important criterias of the tools used.

Consist of:

- Supercut ST cutting disc, ø 40 mm (1 piece)
- Supercut STM cutting discs, ø 26 mm (2 pieces)
- TX cutting discs, ø 22 mm (5 pieces)
- Hard-alloy cutter, mini (1 piece)
- Hard-alloy cutter, midi (1 piece)
- Hard-alloy cutter, maxi (1 piece)
- Hard-alloy cutter, maxi plus (1 piece)
- Aloxin grinder, violet, conical (1 piece)
- Aloxin grinder, violet, bud (1 piece)
- Emery cloth – 500 – (70 cm)
- Rubber polisher grey, discs (4 pieces)
- Rubber polisher red, discs (4 pieces)
- Rubber polisher red, lens (4 pieces)
- Rubber polisher red, cylindrical (4 pieces)
- Polishing brushes, ø 21 mm (4 pieces)
- Polishing brush, ø 60 mm, Chungkin bristles, 2 rows (1 piece)
- Pointed brush (1 piece)
- Tiger brillant polishing paste (60 g)
- Mandrels for discs and lens (6 pieces)
- Mandrel for cylinders (1 piece)
- Mandrel for emery cloth (1 piece)

Application: Titanium

REF 135-500-00

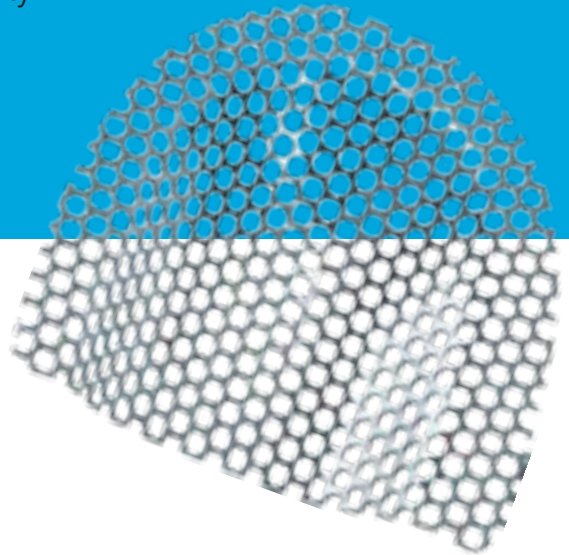
1 set

Impression material	Page 242
Laboratory accessories	Page 243
Isolation and waxes	Page 244
Grid strengtheners	Page 245
Accessories	Page 246



Prosthetics.

Well proven product quality.

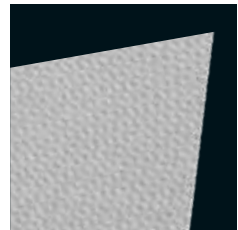


- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■
- Titanium ■
- Finishing ■
- Prosthetics ■**
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■
- Pliers | Instruments ■
- Equipment ■
- Implantology ■
- Knowledge ■
- Courses ■
- Service ■



From impressions to grid strengtheners.

A diverse range of products available for impression taking and model casting to various different types of grid strengtheners. They all share the same superior product quality.



Orthalgenat® Duo

The universal impression material.

Rapidur®

Synthetic hard plaster, Class 4.

Model gloss

Impregnation for demonstration models.

Isolating medium

Thin, abrasion-resistant film.

Modelling wax, pink

Good modelling characteristics for wax-ups.

Grid strengtheners and wire mesh

Stainless steel or gold plated stainless steel.

Tin foil

Spacer foil in various thickness.

Root posts and jacket crown posts

Made from corrosion-resistant pure titanium.

Ultrasonic cleaning solutions

Removes light residues in an ultrasonic.

Impression material



Orthalgenat® Duo

Impression material incl. measuring set.

Flavor	Color	REF	Quantity
vanilla	yellow	150-501-10	1 kg
vanilla	yellow	150-509-10	9 x 1 kg
vanilla	yellow	150-520-10	20 x 1 kg
mint	green	150-501-20	1 kg
mint	green	150-509-20	9 x 1 kg
mint	green	150-520-20	20 x 1 kg



Packaging: 1 kg in box, 9 x 1 kg and 20 x 1 kg in bag



Orthalgenat® Ex

Impression tray cleaner. For removing alginate and plaster residue. Concentrate for manual or ultrasonic cleaning.

REF 150-010-00	1.5 kg
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Rapidur®

synthetic dental stone

- extra hard, low expansion
- quick-setting

Application:

orthodontics, cast partial denture work,

precious metal, acrylic, ceramics

Norm: DIN EN ISO 6873

Class 4

Mixing ratio (g : ml)	100 : 24
Setting expansion	max. 0.15 %
Working time	min. 3 min
Compression resistance	min. 35 MPa
Setting time	max. 30 min
Color	white

REF 164-450-00

6 kg



Mixing bowl

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

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



Model gloss

Environmentally friendly impregnating liquid for plaster demonstration models (for ex. Rapidur®, REF 164-450-00) to provide gloss and dust resistance.

REF 166-450-00

4.5 kg



Isolation and waxes



Separating medium

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

Separates:

- plaster from acrylic
- plaster from plaster

Color	REF	Quantity
pink	162-800-00	1000 ml



Mixing bowls made of silicone

Flexible, with suction base. For all mixing jobs in the practice and laboratory. **Do not use with silicone materials!**

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

For acrylic work, construction bites etc.

- well adaptable
- 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 x 80 mm	1.5 mm	pink	119-150-00	500 g



Flexaponal® special wax

acc. to Uhlig

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



Dimensions (L x W)	Thickness	Color	REF	Quantity
120 x 15 mm	1.0 mm	red	124-003-00	50 pieces
200 x 10 mm	1.0 mm	red	124-002-00	50 pieces
200 x 10 mm	1.0 mm	white	124-202-00	50 pieces



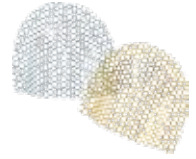
Grid strengtheners

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

Material No.: 1.4301

Perforations ø: 2.5 mm

Thickness: 0.4 mm



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



Wire mesh

Material No.: 1.4301

Wire mesh: 10 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



Accessories



Marking pencil

indelible

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



Marking pencil

Wax pencil

Color	REF	Quantity
white	043-700-00	6 pieces



Matrix band on rolls

Material No.: 1.4310, spring hard

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

CE



Tin foil on rolls

Pure tin 99.9 %

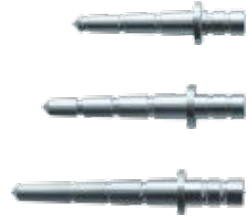
Thickness x Width	Length	REF	Quantity
0.1 x 100 mm	342 cm	324-610-00	250 g
0.2 x 100 mm	171 cm	324-620-00	250 g
0.25 x 100 mm	136 cm	324-725-00	250 g
0.3 x 100 mm	114 cm	324-730-00	250 g
0.4 x 100 mm	85.5 cm	324-740-00	250 g
0.5 x 100 mm	68 cm	324-750-00	250 g
0.6 x 100 mm	57 cm	324-760-00	250 g

Titanium root posts

Titanium grade 4

- corrosion resistant
- biocompatible

ø	Length	REF	Quantity
1.7 mm	12 mm	200-112-00	100 pieces
1.75 mm	14 mm	200-114-00	100 pieces
1.9 mm	16 mm	200-116-00	100 pieces



CE 0483

Titanium jacket crown post

Titanium grade 4

- corrosion resistant
- biocompatible

ø	Length	REF	Quantity
1.7 mm	17 mm	204-217-00	1 piece
1.8 mm	19 mm	204-219-00	1 piece
1.8 mm	21 mm	204-221-00	1 piece



CE 0483

Ultrasonic cleaning solutions

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 252

Clasps

Page 256



Wires and clasps.

Large selection – excellent quality.



- Ceramics ■
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- Expansion screws ■
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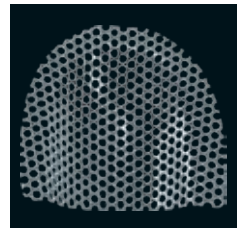


A wide range of products.

The Dentaureum product range supports your daily lab work and makes your life much easier. You will find an exceptional large selection of wires and preformed wire clasps. remanium® wires are available in different grades of mechanical properties to be used in a wide range of prosthetic and orthodontic applications. Our offer of clasps includes the most popular clasps in prosthetics.

Perfect to the last detail.

All of Dentaureum's wire and arch products are extremely precise and dimensionally accurate. This superior quality guarantees optimum results. Dentaureum has decades of experience in the production of wires. This fact gives you the confidence that you can rely on products that are functional, dimensionally extremely precise and mechanically highly stable at all times.



remanium®

Stainless steel wires.

Noninium®

Nickel free* stainless steel wires.

remaloy®

CoCr wires.

* Nickel trace elements of $\leq 0.2\%$ are due to the process of manufacturing.

Wires



remanium® straight wires, round

Material: Stainless steel

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

Color coded packaging: red

ø	Length	REF	Quantity
0.40 mm / 16	each 380 mm	525-040-00	25 pieces
0.70 mm / 28	each 150 mm	527-004-00	1100 pieces
0.70 mm / 28	each 190 mm	527-005-00	900 pieces
0.80 mm / 31	each 150 mm	527-006-00	875 pieces
0.70 mm / 28	each 300 mm	527-070-00	25 pieces
0.80 mm / 31	each 300 mm	527-080-00	25 pieces
0.90 mm / 36	each 300 mm	527-090-00	25 pieces
1.00 mm / 39	each 300 mm	527-100-00	25 pieces

CE⁰⁴⁸³



remanium® laboratory coils, round

Material: Stainless steel

Strength category: hard · 1400 – 1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	30 m	513-070-00	1 piece
0.80 mm / 31	20 m	513-080-00	1 piece
0.90 mm / 36	10 m	513-090-00	1 piece
1.00 mm / 39	10 m	513-100-00	1 piece
1.20 mm / 47	10 m	513-120-00	1 piece
1.50 mm / 59	10 m	513-150-00	1 piece

CE⁰⁴⁸³



remanium® clinical coils, round

Material: Stainless steel

Strength category: hard · 1400 – 1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	165 m	514-070-00	1 piece
0.80 mm / 31	125 m	514-080-00	1 piece
0.90 mm / 36	100 m	514-090-00	1 piece
1.00 mm / 39	80 m	514-100-00	1 piece

CE⁰⁴⁸³

remanium® laboratory coils, round

Material: Stainless steel

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

ø	Length	REF	Quantity
0.40 mm / 16	30 m	521-040-00	1 piece
0.50 mm / 20	50 m	523-050-00	1 piece
0.60 mm / 23	40 m	523-060-00	1 piece
0.70 mm / 28	30 m	523-070-00	1 piece
0.80 mm / 31	20 m	523-080-00	1 piece
0.90 mm / 36	10 m	523-090-00	1 piece
1.00 mm / 39	10 m	523-100-00	1 piece
1.10 mm / 43	10 m	523-110-00	1 piece
1.20 mm / 47	10 m	523-120-00	1 piece
1.50 mm / 59	10 m	523-150-00	1 piece



CE 0483

remanium® clinical coils, round

Material: Stainless steel

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

ø	Length	REF	Quantity
0.60 mm / 23	225 m	524-060-00	1 piece
0.70 mm / 28	165 m	524-070-00	1 piece
0.80 mm / 31	125 m	524-080-00	1 piece
0.90 mm / 36	100 m	524-090-00	1 piece
1.00 mm / 39	80 m	524-100-00	1 piece
1.10 mm / 43	70 m	524-110-00	1 piece



CE 0483

remanium® wire on coils, half round

Material: Stainless steel

Strength category: hard · 1400 – 1600 N/mm²

ø	Length	REF	Quantity
1.30 x 0.65 mm	10 m	308-513-00	1 piece
1.50 x 0.75 mm	10 m	308-515-00	1 piece
1.75 x 0.90 mm	10 m	308-518-00	1 piece
2.00 x 1.00 mm	10 m	308-520-00	1 piece



CE 0483

Wires



remanium® clinical coils, half round

Material: Stainless steel

Strength category: hard · 1400 – 1600 N/mm²

∅	Length	REF	Quantity
1.30 x 0.65 mm	90 m	308-713-00	1 piece
1.50 x 0.75 mm	65 m	308-715-00	1 piece
1.75 x 0.90 mm	50 m	308-718-00	1 piece

CE 0483



remanium® wire on coils, oval

Material: Stainless steel

Strength category: hard · 1400 – 1600 N/mm²

∅	Length	REF	Quantity
2.40 x 1.40 mm	10 m	385-624-00	1 piece
3.00 x 1.50 mm	10 m	385-630-00	1 piece

CE 0483



Noninium® wire on coils, round

Material: Nickel free* stainless steel

Strength category: hard · 1400 – 1600 N/mm²

∅	Length	REF	Quantity
0.70 mm / 28	30 m	520-070-00	1 piece
0.80 mm / 31	20 m	520-080-00	1 piece
0.90 mm / 36	10 m	520-090-00	1 piece
1.20 mm / 47	10 m	520-120-00	1 piece

CE 0483

* Nickel trace elements of ≤ 0.2% are due to the process of manufacturing



Noninium® wire on coils, round

Material: Nickel free* stainless steel

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

∅	Length	REF	Quantity
0.60 mm / 23	40 m	520-062-00	1 piece
0.70 mm / 28	30 m	520-072-00	1 piece
0.80 mm / 31	20 m	520-082-00	1 piece
0.90 mm / 36	10 m	520-092-00	1 piece

CE 0483

* Nickel trace elements of ≤ 0.2% are due to the process of manufacturing

remaloy® straight wires, round

Recommended for Quad Helix, Crozat appliances, palatal and lingual bars etc.
can be heat treated · 450 °C / 842 °F for about 5 min

Material: CoCr

Strength category: hard · 1400 – 1600 N/mm²

Color coded packaging: blue

ø	Length	REF	Quantity
0.70 mm / 28	each 380 mm	528-070-00	10 pieces
0.80 mm / 31	each 380 mm	528-080-00	10 pieces
0.90 mm / 36	each 380 mm	528-090-00	10 pieces
1.00 mm / 39	each 380 mm	528-100-00	10 pieces
1.10 mm / 43	each 380 mm	528-110-00	10 pieces
1.20 mm / 47	each 380 mm	528-120-00	10 pieces
1.30 mm / 51	each 380 mm	528-130-00	10 pieces
1.50 mm / 59	each 380 mm	528-150-00	10 pieces

CE 0483

**remaloy® straight wires, half round**

can be heat treated · 450 °C / 842 °F for about 5 min

Material: CoCr

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

Color coded packaging: blue

ø	Length	REF	Quantity
1.50 x 0.75 mm	each 380 mm	528-155-00	10 pieces
1.75 x 0.90 mm	each 380 mm	528-158-00	10 pieces

CE 0483

**remaloy® straight wires, 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 – 1800 N/mm²

Color coded packaging: blue

ø	Length	REF	Quantity
1.92 x 0.90 mm	each 380 mm	528-159-00	10 pieces

CE 0483

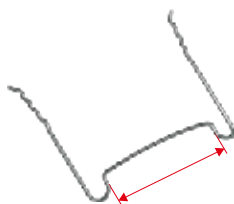


Online-Shop

Dentaurum



Clasps



Noninium® standard labial arches

Material: Nickel free* stainless steel

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

ø	Length mesial-mesial	REF	Quantity
0.80 mm / 31	28 mm	621-028-00	10 pieces
0.80 mm / 31	31 mm	621-031-00	10 pieces
0.80 mm / 31	34 mm	621-034-00	10 pieces
0.80 mm / 31	37 mm	621-037-00	10 pieces
0.80 mm / 31	40 mm	621-040-00	10 pieces
0.80 mm / 31	43 mm	621-043-00	10 pieces
0.80 mm / 31	46 mm	621-046-00	10 pieces



* Nickel trace elements of ≤ 0.2% are due to the process of manufacturing



Noninium® adams clasps

Material: Nickel free* stainless steel

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

ø	Length mesial-distal	REF	Quantity
0.70 mm / 28	7 mm	621-404-00	10 pieces
0.70 mm / 28	8 mm	621-405-00	10 pieces
0.70 mm / 28	9 mm	621-406-00	10 pieces
0.70 mm / 28	10 mm	621-407-00	10 pieces
0.70 mm / 28	11 mm	621-408-00	10 pieces
0.70 mm / 28	12 mm	621-409-00	10 pieces



* Nickel trace elements of ≤ 0.2% are due to the process of manufacturing



Noninium® adams clasps assortment

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

1 assortment = 250 pieces

Material: Nickel free* stainless steel

ø 0.70 mm / 28

REF 621-500-00	1 assortment
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Contents:

30 x Adams clasps, 7 mm	REF 621-404-00
30 x Adams clasps, 8 mm	REF 621-405-00
30 x Adams clasps, 9 mm	REF 621-406-00
30 x Adams clasps, 10 mm	REF 621-407-00
30 x Adams clasps, 11 mm	REF 621-408-00
30 x Adams clasps, 12 mm	REF 621-409-00
1 x Ruler	REF 766-000-00

* Nickel trace elements of ≤ 0.2% are due to the process of manufacturing



Noninium® triangular clasps

Material: Nickel free* stainless steel

Strength category: hard · 1400 – 1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	each 36 mm	621-300-00	100 pieces



* Nickel trace elements of ≤ 0.2% are due to the process of manufacturing

Noninium® arrow clasps

Material: Nickel free* stainless steel

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

∅	Length	REF	Quantity
0.70 mm / 28	each 41 mm	621-200-00	100 pieces



* Nickel trace elements of ≤ 0.2% are due to the process of manufacturing

**Noninium® ball retainer clasps**

Material: Nickel free* stainless steel

Strength category: hard · 1400 – 1600 N/mm²

∅	Length	REF	Quantity
0.70 mm / 28	each 38 mm	620-207-01	100 pieces
0.80 mm / 32	each 38 mm	620-208-01	100 pieces
0.90 mm / 36	each 38 mm	620-209-01	100 pieces



* Nickel trace elements of ≤ 0.2% are due to the process of manufacturing

**remanium® ball retainer clasps**

Ball ∅ 1.6 mm

Material: Stainless steel

Strength category: hard · 1400 – 1600 N/mm²

∅	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 / 35	each 38 mm	620-109-00	100 pieces
1.00 mm / 39	each 38 mm	620-110-00	100 pieces

**remanium® arrow anchor**

Material: Stainless steel

Strength category: hard · 1400 – 1600 N/mm²

∅	Length	REF	Quantity
0.80 mm / 31	each 40 mm	620-708-00	10 pieces

**Guide pins**

acc. to G. Müller®

Guide pins 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



Clasps



Guide pins

acc. to Hinz

Material: Stainless steel

ø	REF	Quantity	REF	Quantity
1.50 mm / 59	607-202-00	1 piece	607-202-30	10 pieces

CE



Lingual bars

Anatomically shaped e.g. for occlusion plates.

Material: Stainless steel

Length	REF	Quantity
6 cm	311-306-30	10 pieces
7 cm	311-307-30	10 pieces
8 cm	311-308-30	10 pieces

CE



Strengtheners on coils

Twisted and rolled flat.

Material: Stainless steel

Material No.: 1.4404

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

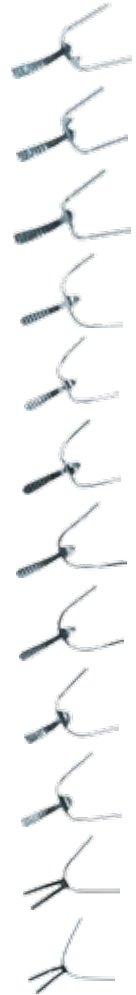
CE

Preformed wire clasps

Material: Stainless steel

Material No.: 1.4401

Version	ø	REF	Quantity
Cuspids, teeth 13, 33	0.90 mm / 36	320-001-00	10 pieces
Cuspids with rest, teeth 23, 43	0.90 mm / 36	320-002-00	10 pieces
Cuspids without rest	0.90 mm / 36	320-005-00	10 pieces
Bicuspid with rest, upper	0.90 mm / 36	320-010-00	10 pieces
Bicuspid with rest, lower	0.90 mm / 36	320-011-00	10 pieces
Molars with rest	1.00 mm / 39	320-020-00	10 pieces
Bicuspid	0.90 mm / 36	320-021-00	10 pieces
Molars	1.00 mm / 39	320-022-00	10 pieces
Bicuspid wide rest	0.90 mm / 36	320-023-00	10 pieces
Molars wide rest	1.00 mm / 39	320-024-00	10 pieces
Bicuspid	0.90 mm / 36	320-109-00	10 pieces
Molars	1.00 mm / 39	320-110-00	10 pieces



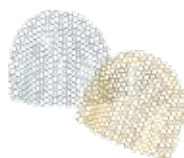
CE

Clasps



Preformed wire clasps assortment

REF 320-200-00	1 assortment
CE	
Contents:	
10 x Cuspids, teeth 13, 33	REF 320-001-00
10 x Cuspids with rest, teeth 23, 43	REF 320-002-00
10 x Cuspids without rest	REF 320-005-00
10 x Bicuspid with rest, upper	REF 320-010-00
10 x Bicuspid with rest, lower	REF 320-011-00
10 x Molars with rest	REF 320-020-00
10 x Bicuspid	REF 320-021-00
10 x Molars	REF 320-022-00
10 x Bicuspid wide rest	REF 320-023-00
10 x Molars wide rest	REF 320-024-00
10 x Bicuspid	REF 320-109-00
10 x Molars	REF 320-110-00



Grid strengtheners

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

Material No.: 1.4301

Perforations \varnothing : 2.5 mm

Thickness: 0.4 mm

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

CE

Wire mesh

Material No.: 1.4301

Wire mesh: 10 x 10 cm



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

CE

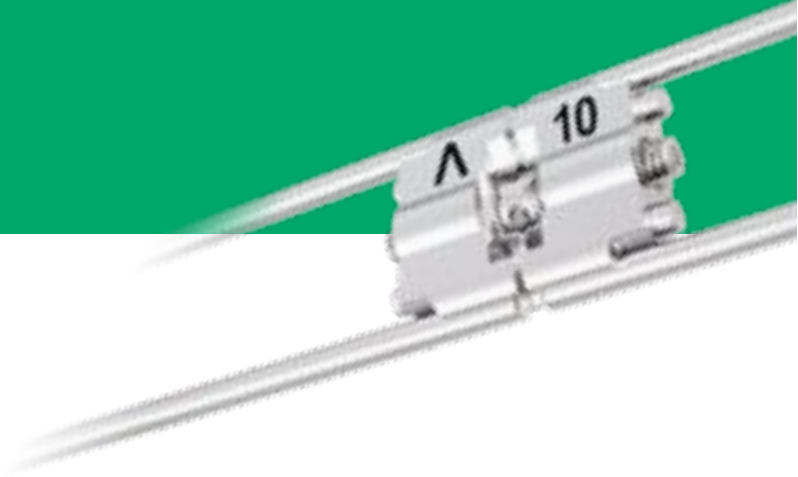
Expansion screws

Standard expansion screws	Page 266
Special screws	Page 269
Variety expansion screws	Page 279
RPE screws	Page 280
Accessories	Page 285



Expansion screws.

Perfect in form, function and finish.



- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■
- Titanium ■
- Finishing ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■**
- Orthodontic acrylics ■
- Pliers | Instruments ■
- Equipment ■
- Implantology ■
- Knowledge ■
- Courses ■
- Service ■

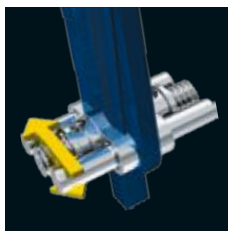


A wide selection of products.

Dentaurum's selection of stainless steel expansion screws ranges from standard expansion screws to more complex special expansion screws. In addition, the range is completed by biocompatible expansion screws, such as the rematitan® expansion screws manufactured of pure titanium.

Perfect to the last detail.

Dentaurum's expansion screws achieve wide expansion despite their small size. The built-in stops prevent the screws from coming apart. Precision thread friction and the built-in screw lock mechanism enables precise opening of the screw without unwanted „turning back“. Strong and stable screw construction due to high precision and excellent quality.



Dentaurum expansion screws

The right solution for all types of treatment.

Forward thrust double plate system acc. to Schaneng

The elastic system.

hyrax®

Special expansion screw for palatal expansion.

hyrax® click

The RPE screw without unwanted turn back.

Titan-hyrax® Maxi - 12

The world's first RPE screw in titanium.

Variety

The versatile, multi functional expansion screw.

Expansion screws

Standard expansion screws



rematitan® expansion screw, Medium

Material: Titanium

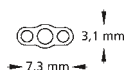
- skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key straight, small - standard.

Indication: for transversal expansion and distalization in upper and lower jaw

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
7.5 mm	= 0.8 mm	Plastic, pearl-blue	600-400-10	1 piece
7.5 mm	= 0.8 mm	Plastic, pearl-blue	600-400-30	10 pieces

CE

→ 11 mm →



Expansion screw, Mini

Material: Stainless steel

- skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key straight, small - standard.

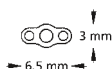
Indication: for transversal expansion and distalization in the lower jaw or for especially narrow upper jaws

Directional arrow: Plastic, white

Maximum expansion	4 x 1/4 turn	Expansion screw holder	REF	Quantity
6.5 mm	= 0.7 mm	cone-shaped	600-300-10	1 piece
6.5 mm	= 0.7 mm	standard, wide	600-320-10	1 piece
6.5 mm	= 0.7 mm	cone-shaped	600-300-30	10 pieces
6.5 mm	= 0.7 mm	standard, wide	600-320-30	10 pieces
6.5 mm	= 0.7 mm	cone-shaped	600-300-60	100 pieces
6.5 mm	= 0.7 mm	standard, wide	600-320-60	100 pieces

CE

→ 10 mm →



Expansion screw, Medium

Material: Stainless steel

- skeleton design
- holes in body of screws for better retention in acrylic
- built-in stops prevent screws from coming apart

With expansion screw key straight, small - standard.

Indication: for transversal expansion and distalization in upper and lower jaw

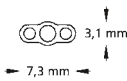
Directional arrow: Plastic, neon yellow



Maximum expansion	4 x 1/4 turn	Expansion screw holder	REF	Quantity
7.5 mm	= 0.8 mm	cone-shaped	600-301-10	1 piece
7.5 mm	= 0.8 mm	standard, wide	600-321-10	1 piece
7.5 mm	= 0.8 mm	cone-shaped	600-301-30	10 pieces
7.5 mm	= 0.8 mm	standard, wide	600-321-30	10 pieces
7.5 mm	= 0.8 mm	cone-shaped	600-301-60	100 pieces
7.5 mm	= 0.8 mm	standard, wide	600-321-60	100 pieces

CE

→ 11 mm ←



Expansion screw, Maxi

Material: Stainless steel

- skeleton design
- holes in body of screws for better retention in acrylic
- built-in stops prevent screws from coming apart

With expansion screw key straight, small - standard.

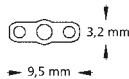
Indication: for transversal expansion in the upper jaw



Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-302-10	1 piece
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-302-30	10 pieces
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-302-60	100 pieces

CE

→ 11 mm ←



Expansion screws

Standard expansion screws



Expansion screw, Magnum

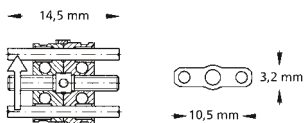
Material: Stainless steel

- skeleton design
 - Version: extra strong, with larger screw body
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key straight, small - standard.

Indication: for transversal expansion in the upper jaw and bimaxillary functional gnatho-orthopedic appliances

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
11.0 mm	= 0.8 mm	Plastic, neon yellow	600-303-10	1 piece
11.0 mm	= 0.8 mm	Plastic, neon yellow	600-303-30	10 pieces
11.0 mm	= 0.8 mm	Plastic, neon yellow	600-303-60	100 pieces

CE



Trapezoidal expansion screw

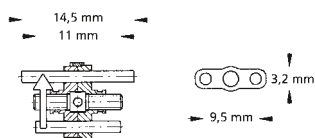
Material: Stainless steel

- skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key straight, small - standard.

Indication: for transversal expansion of narrow maxillas and as activation screw for bimaxillary functional gnatho orthopedic appliances

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-310-30	10 pieces

CE



Sectional screw, Mini

Material: Stainless steel

- skeleton design
- Guide pins: U-shaped, straight

With expansion screw key straight, small - standard.

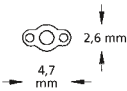
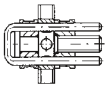
Indication: for movement of individual teeth

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
4.0 mm	= 0.35 mm	printed, blue-yellow	600-502-10	1 piece
4.0 mm	= 0.35 mm	printed, blue-yellow	600-502-30	10 pieces
4.0 mm	= 0.35 mm	printed, blue-yellow	600-502-60	100 pieces



CE

← 9,5 mm →

**Sectional screw, Mini**

Material: Stainless steel

- skeleton design
- Guide pins: U-shaped, angulated facing down

With expansion screw key straight, small - standard.

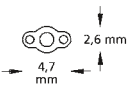
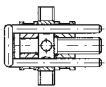
Indication: for movement of individual teeth

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
4.0 mm	= 0.35 mm	printed, blue-yellow	600-503-10	1 piece
4.0 mm	= 0.35 mm	printed, blue-yellow	600-503-30	10 pieces
4.0 mm	= 0.35 mm	printed, blue-yellow	600-503-60	100 pieces



CE

← 9,5 mm →



Special screws



Sectional screw, Medium

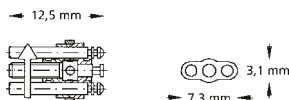
Material: Stainless steel

- skeleton design
 - Guide pins: straight, with mushroom head retention
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key straight, small - standard.

Indication: for distalization and segmentation of appliances, Y plates

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
6.0 mm	= 0.4 mm	Plastic, neon yellow	600-500-10	1 piece
6.0 mm	= 0.4 mm	Plastic, neon yellow	600-500-30	10 pieces
6.0 mm	= 0.4 mm	Plastic, neon yellow	600-500-60	100 pieces

CE



Sectional screw, Medium

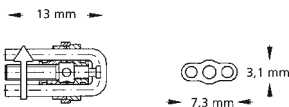
Material: Stainless steel

- skeleton design
 - Guide pins: U-shaped, angulated facing down
 - holes in body of screws for better retention in acrylic
- With expansion screw key straight, small - standard.

Indication: for distalization and segmentation of appliances, protrusion of an anterior segment

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
6.0 mm	= 0.4 mm	Plastic, neon yellow	600-501-10	1 piece
6.0 mm	= 0.4 mm	Plastic, neon yellow	600-501-30	10 pieces
6.0 mm	= 0.4 mm	Plastic, neon yellow	600-501-60	100 pieces

CE



Retraction screw, Extra Mini

Material: Stainless steel

- Screw body: closed
- Guide pins: U-shaped, straight

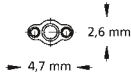
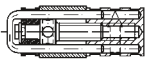
With expansion screw key straight, small - standard.

Indication: for space closing and movement of individual teeth

Maximum retraction	4 x 1/4 turn	Directional arrow	REF	Quantity
3.0 mm	= 0.4 mm	printed, blue-yellow	600-602-30	10 pieces

CE

← 13,5 mm →



Retraction screw, Mini

Material: Stainless steel

- Screw body: closed
- Guide pins: U-shaped, straight

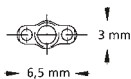
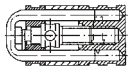
With expansion screw key straight, small - standard.

Indication: for space closing and movement of individual teeth

Maximum retraction	4 x 1/4 turn	Directional arrow	REF	Quantity
2.5 mm	= 0.4 mm	printed, blue-yellow	600-601-30	10 pieces

CE

← 13 mm →



Retraction screw, Medium

Material: Stainless steel

- Screw body: closed
- Guide pins: U-shaped, straight

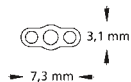
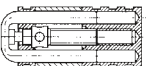
With expansion screw key straight, small - standard.

Indication: for space closing and movement of individual teeth

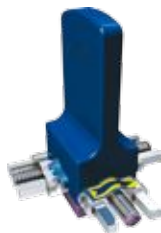
Maximum retraction	4 x 1/4 turn	Directional arrow	REF	Quantity
4.5 mm	= 0.4 mm	printed, blue-yellow	600-600-30	10 pieces

CE

← 17 mm →



Special screws



Three dimensional screw acc. to Bertoni - two movements (Typ B)

Material: Stainless steel

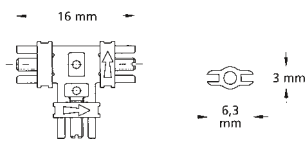
- strengthened guides
- two independently controlled movements (symmetrical transversal expansion)
- same total expansion per segment

With expansion screw key straight, small - standard.

Indication: for combined transversal and protrusion movements with Y plates

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
4.0 mm/Segment	= 0.35 mm/Segment	printed, blue-yellow	602-606-10	1 piece

CE



Three dimensional screw acc. to Bertoni - three movements (Typ A)

Material: Stainless steel

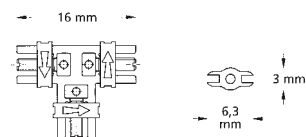
- strengthened guides
- three independently controlled movements
- same total expansion per segment

With expansion screw key straight, small - standard.

Indication: for combined transversal and protrusion movements with Y plates

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
4.0 mm/Segment	= 0.35 mm/Segment	printed, blue-yellow	602-605-10	1 piece

CE



Three dimensional screw acc. to Steiner

Material: Stainless steel

- strengthened guides
- individually adjustable middle bar for adapting to different palatal vault curvatures
- two independently controlled movements (symmetrical transversal expansion)
- same total expansion per segment

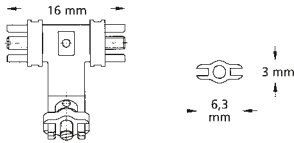
With expansion screw key straight, small - standard.

Indication: for combined transversal and protrusion movements with Y plates

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
4.0 mm/Segment	= 0.35 mm/Segment	printed, blue-yellow	602-604-10	1 piece



CE

**Fan-type expansion screw**

Material: Stainless steel

- plate sections are opened fanwise

With expansion screw key straight, small - standard.

Indication: for maxillary anterior or posterior expansion

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
7.0 mm	= 0.8 mm	printed, blue-yellow	606-600-00	1 piece
7.0 mm	= 0.8 mm	printed, blue-yellow	606-600-30	10 pieces



CE

→ 12 mm ←



Special screws



Mandibular bow screw acc. to Müller

Material: Stainless steel

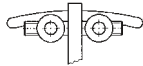
- minimal fan-type opening of the arch screw, according to the anterior arch
- With expansion screw key straight, small - standard.

Indication: for transversal expansion of the mandibular front

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
5.0 mm	= 0.8 mm	Plastic, neon yellow	606-701-00	1 piece
5.0 mm	= 0.8 mm	Plastic, neon yellow	606-701-30	10 pieces

CE

← 20 mm →



“Flexible” forward thrust double plate system acc. to Schaneng

Material: Stainless steel

- flexibility of the intermaxillary element
- screws with guide ridge for forward thrust double plate. Double loop, wax coated

With expansion screw key straight, small - standard.

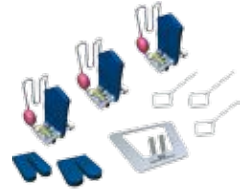
Indication: for treatment of Angle Class II/1 (distoclusion), for advancement of the mandible

REF 600-000-00	1 assortment
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CE

Contents:

3 x Screws with guide ridge for forward thrust double plate	REF 600-001-00
1 x Adapter, narrow	REF 600-003-00
1 x Adapter, wide	REF 600-004-00
1 x Locating template	REF 600-005-00



Guide ridge for “Flexible” forward thrust double plate system acc. to Schaneng

With double loop, wax coated.

Material: Stainless steel

Length of guide ridge: 14.0 mm

Version	REF	Quantity	REF	Quantity
with palatal expansion screw	600-001-00	1 piece	600-001-30	10 pieces
without palatal expansion screw	600-002-00	1 piece	600-002-30	10 pieces



CE

Guide ridge adapter for “Flexible” forward thrust double plate system acc. to Schaneng

To produce the diagonal level in the mandibular.

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



Locating template acc. to Schaneng

The locating template supplied with the system ensures that the guide ridge slides properly on the lingual plate at a 60° angle.

Material: Stainless steel

REF 600-005-00	1 piece
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Expansion screws

Special screws



Expansion screw for split activator

Material: Stainless steel

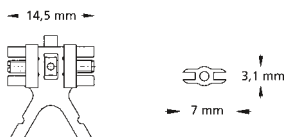
- strengthened guides

With expansion screw key straight, small - standard.

Indication: for separate expansion of upper and lower jaws

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
7.0 mm	= 0.8 mm	printed, blue-yellow	600-610-00	1 piece
7.0 mm	= 0.8 mm	printed, blue-yellow	600-610-30	10 pieces

CE



Expansion screw for progenia activator acc. to Weise

Material: Stainless steel

- for fabricating horizontally split activators, which allow connection and shifting of both split planes

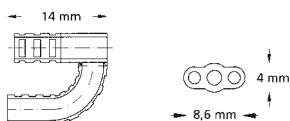
- stable connection of the maxillary plate with the mandibular plate using a strong U-shaped bar

With expansion screw key straight, small - standard.

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

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
5.0 mm	= 0.9 mm	printed, blue-yellow	603-000-00	1 piece

CE



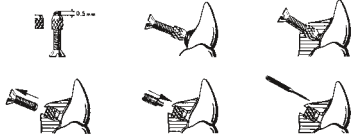
Piston spring screws, assortment

Material: Stainless steel

- delicate design
- constant, elastic and easily 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 assortment
CE	
Contents:	
10 x Piston spring screws, length 4 mm	REF 609-004-00
10 x Piston spring screws, length 6 mm	REF 609-006-00
10 x Piston spring screws, length 8 mm	REF 609-008-00
10 x Positioning screws	REF 609-100-00
10 x Serrated housing nuts	REF 609-200-30
1 x Reamer	REF 609-300-00
1 x Screw driver	REF 609-400-00



Piston spring screw

Material: Stainless steel

- delicate design
- constant, elastic and easily controllable pressure on the tooth to be moved

Indication: for movement of individual teeth

Length	4 x 1/4 turn	REF	Quantity
4.0 mm	= 0.35 mm	609-004-00	10 pieces
6.0 mm	= 0.35 mm	609-006-00	10 pieces
8.0 mm	= 0.35 mm	609-008-00	10 pieces



CE

Positioning screws

For piston spring screws.

To position the piston spring screws into the acrylic.

Material: Stainless steel

Length	REF	Quantity
12.0 mm	609-100-00	10 pieces



Serrated housing nut

For piston spring screws.

To position into acrylic or to weld onto wire elements.

Material: Stainless steel

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



CE

Expansion screws

Special screws



Reamer

For piston spring screws.

Material: Stainless steel

REF 609-300-00	1 piece
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Screw driver

For piston spring screws.

To activate the piston spring screws.

Material: Stainless steel

REF 609-400-00	1 piece
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Variety expansion screw

For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalisation, mesialisation of posterior teeth, or for space closure by moving individual teeth.

For early palatal expansion as well.

- small dimensions with maximum expansion
- solder free
- break resistant retention legs and stable guidance throughout the entire expansion
- the integrated spindle friction prevents unwanted turning back
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Screw body: 9.6 mm

Maximum expansion: 12.0 mm

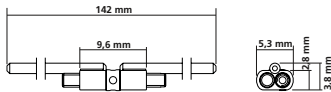
4 x 1/4 turn: = 0.8 mm

Material: Stainless steel



Retention legs	REF	Quantity	REF	Quantity
straight	602-806-10	1 piece	602-806-30	10 pieces

CE 0483



Variety SP (small palate) expansion screw

For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalisation, mesialisation of posterior teeth, or for space closure by moving individual teeth.

For early palatal expansion as well.

- especially suitable for very narrow jaws
- retention legs can be bent very close to the screw body
- small dimensions with maximum expansion
- solder free
- break resistant retention legs and stable guidance throughout the entire expansion
- the integrated spindle friction prevents unwanted turning back
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Screw body: 9.6 mm

Maximum expansion: 12.0 mm

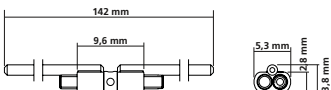
4 x 1/4 turn: = 0.8 mm

Material: Stainless steel



Retention legs	REF	Quantity	REF	Quantity
straight	602-809-10	1 piece	602-809-30	10 pieces

CE 0483



RPE screws



Titan-hyrax® Maxi - 12

RPE screw of titanium

For mid-palatal suture separations by means of fixed appliances.

The screw is anchored to the teeth using cast titanium and laser-welded cap splints, laser-welded titanium bases (REF 799-210-00) or alternatively using acrylic cap splints fabricated from Orthocryl® acrylic.

With safety key.

Screw body: 14.4 mm

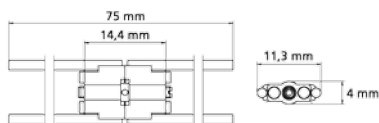
Maximum expansion: 12.0 mm

4 x 1/4 turn: = 0.8 mm

Material: Titanium

Retention legs	REF	Quantity	REF	Quantity
straight	602-810-10	1 piece	602-810-30	10 pieces

CE 0483



Titanium direct bond pads

Anatomically contoured.

The titanium bonding bases are laser structured for the direct bonding technique. Specifically for the direct bonding of RPE appliances in conjunction with the Titan-hyrax® Maxi - 12.

Dimensions (H x W): 3.8 x 8.3 mm

REF 799-210-00	10 pieces
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CE 0483



rematitan® straight wire

Titanium grade 1

Norm: DIN 17850

For laser welding.

Recommended as strengthener wire with fixed titanium RPE appliances (Titanium hyrax® Maxi - 12).

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

CE 0483

hyrax® click Mini - 7

RPE screw with the "Click" feature to prevent unwanted turning back

For effective and reliable mid-palatal suture separations by means of fixed appliances.

- optimal screw locking during the active treatment phase
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- solder free
- reliable activation/deactivation of the screw with clearly perceptible "click" after a $\frac{1}{4}$ turn
- no accidental screw turning back during activation caused by the safety key being pulled out
- minimal dimensions with maximum expansion range
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion

With safety key.

Screw body: 9.8 mm

Maximum expansion: 7.0 mm

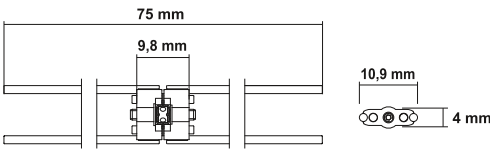
4 x $\frac{1}{4}$ turn: = 0.8 mm

Material: Stainless steel



Retention legs	REF	Quantity	REF	Quantity
straight	602-830-10	1 piece	602-830-30	10 pieces
bent	602-831-10	1 piece	602-831-30	10 pieces

CE 0483



hyrax® click Medium - 10

RPE screw with the "Click" feature to prevent unwanted turning back

For effective and reliable mid-palatal suture separations by means of fixed appliances.

- optimal screw locking during the active treatment phase
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- solder free
- reliable activation/deactivation of the screw with clearly perceptible "click" after a $\frac{1}{4}$ turn
- no accidental screw turning back during activation caused by the safety key being pulled out
- minimal dimensions with maximum expansion range
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion

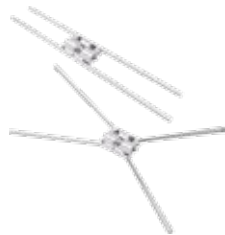
With safety key.

Screw body: 12.8 mm

Maximum expansion: 10.0 mm

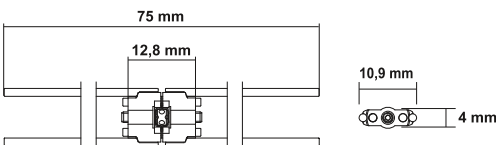
4 x $\frac{1}{4}$ turn: = 0.8 mm

Material: Stainless steel

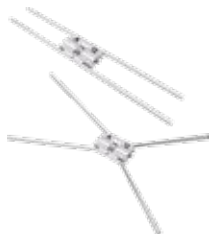


Retention legs	REF	Quantity	REF	Quantity
straight	602-832-10	1 piece	602-832-30	10 pieces
bent	602-833-10	1 piece	602-833-30	10 pieces

CE 0483



RPE screws



hyrax® click Maxi - 12

RPE screw with the "Click" feature to prevent unwanted turning back

For effective and reliable mid-palatal suture separations by means of fixed appliances.

- optimal screw locking during the active treatment phase
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- solder free
- reliable activation/deactivation of the screw with clearly perceptible "click" after a 1/4 turn
- no accidental screw turning back during activation caused by the safety key being pulled out
- minimal dimensions with maximum expansion range
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion

With safety key.

Screw body: 14.8 mm

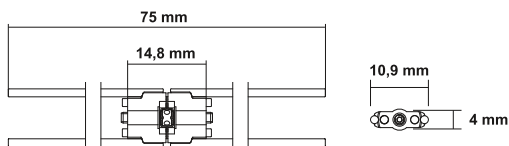
Maximum expansion: 12.0 mm

4 x 1/4 turn: = 0.8 mm

Material: Stainless steel

Retention legs	REF	Quantity	REF	Quantity
straight	602-834-10	1 piece	602-834-30	10 pieces
bent	602-835-10	1 piece	602-835-30	10 pieces

CE 0483



hyrax® Mini - 7

RPE screw

For mid-palatal suture separations 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
- solder free
- break resistant retention legs, stable guidance throughout complete expansion
- the integrated spindle friction prevents unwanted turning back
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

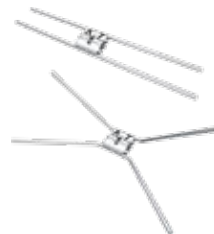
With safety key.

Screw body: 9.4 mm

Maximum expansion: 7.0 mm

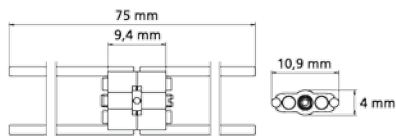
4 x 1/4 turn: = 0.8 mm

Material: Stainless steel



Retention legs	REF	Quantity	REF	Quantity
straight	602-800-10	1 piece	602-800-30	10 pieces
bent	602-801-10	1 piece	602-801-30	10 pieces

CE 0483



hyrax® Medium - 10

RPE screw

For mid-palatal suture separations 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
- solder free
- break resistant retention legs, stable guidance throughout complete expansion
- offset body for earliest possible angling of the retention legs
- the integrated spindle friction prevents unwanted turning back
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Screw body: 12.4 mm

Maximum expansion: 10.0 mm

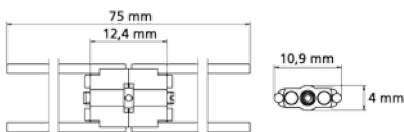
4 x 1/4 turn: = 0.8 mm

Material: Stainless steel



Retention legs	REF	Quantity	REF	Quantity
straight	602-808-10	1 piece	602-808-30	10 pieces

CE 0483



RPE screws



hyrax® Maxi - 12

RPE screw

For mid-palatal suture separations by means of fixed appliances.

- the retention legs can be angled near to the screw body
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- solder free
- break resistant retention legs, stable guidance throughout complete expansion
- offset body for earliest possible angling of the retention legs
- the integrated spindle friction prevents unwanted turning back
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Screw body: 14.4 mm

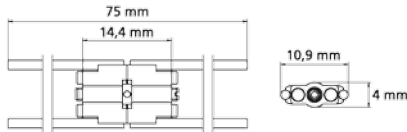
Maximum expansion: 12.0 mm

4 x 1/4 turn: = 0.8 mm

Material: Stainless steel

Retention legs	REF	Quantity	REF	Quantity
straight	602-811-10	1 piece	602-811-30	10 pieces
bent	602-812-10	1 piece	602-812-30	10 pieces

CE 0483



Arrows to indicate the opening direction

For expansion screws.

Color	REF	Quantity
yellow	611-130-00	50 pieces
white	611-131-00	50 pieces
pearl-blue	611-132-00	50 pieces



CE

Universal bending key

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

Material: Stainless steel

REF 611-122-00	1 piece
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Safety key

Can be used with all Dentaureum hyrax® and Variety screws.

For safe intraoral activation of the expansion screws in fixed appliances.

REF 611-120-01	10 pieces
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CE



Expansion screw key

straight, small - standard

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

Filled with 30 expansion screws that are also available separately, 2 expansion screw keys and 1 universal bending key. **1 set = 33 pieces.**

REF 612-000-00	1 set
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CE 0483



Orthodontic acrylics

Orthocryl® / Assortments	Page 292
Orthocryl® / Single packs	Page 293
Disco glitter	Page 295
Novel designs	Page 296
Accessories	Page 299
Appliance containers and accessories	Page 304

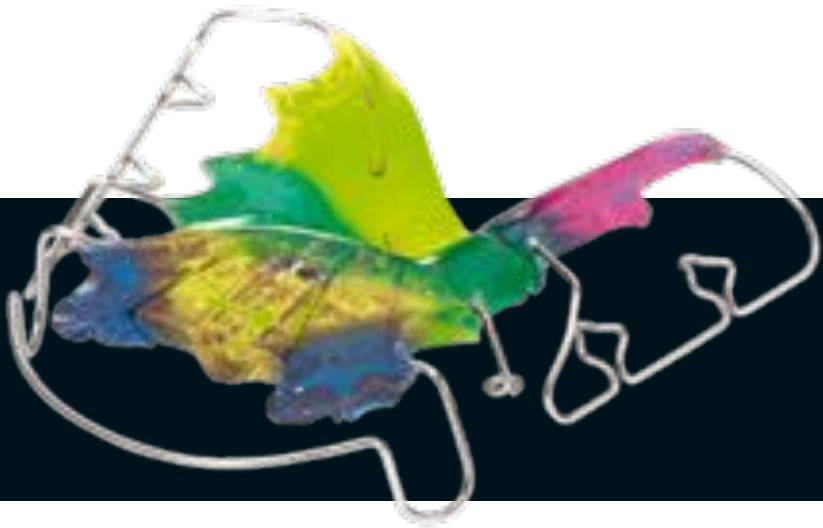


Orthodontic acrylics.

Vibrant colors – fascinating varieties.



- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■
- Titanium ■
- Finishing ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■**
- Pliers | Instruments ■
- Equipment ■
- Implantology ■
- Knowledge ■
- Courses ■
- Service ■

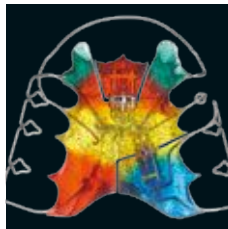


Endless creativity.

The Orthocryl® acrylic colors range from classic shades to modern, funky neon colors through to black and white. There are various glitter effects which can be used and attractive, novel picture designs.

Relaxed working.

The processing time of Orthocryl® has been prolonged extended that the technician can work comfortably without feeling under time pressure. This leads to good and effective results, particularly in the daily routine of the laboratory.



Orthocryl®

Especially suitable for the "Salt and Pepper" technique.

Orthocryl® EQ

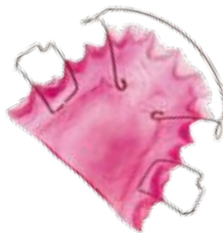
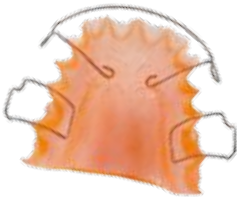
Especially suitable for the "Doughing" technique.

A wide range of field-proven accessories

Perfectly simple processing
leading to perfect results.

Appliance containers

In all sizes and colors.



Orthocryl®
black&white

Such a contrast. So versatile.

The media library.

Start now and enjoy the experience!

Order now!

Sometimes, color isn't needed.

Discover the world of contrasts with Orthocryl® black & white. The new Orthocryl® powder in black and white, opens up a whole new field of creative possibilities. The black and white technique offers a world of new ideas for your appliances, much cooler than vivid colors.

The exciting game of "opposites attract".

In order to achieve the greatest possible contrast, many things around us are either black or white. From the penguin to the zebra, the dice to the domino game. Use these contrasting colors from either end of the color spectrum with the Orthocryl® black & white. Be inspired and let your imagination run wild.





Orthocryl® live

Information regarding the Orthocryl® CD-ROM


Orthodontic dental laboratory work requires an exceptionally high level of technical skill, which is not always very straightforward to learn. Using the new Orthocryl® CD-ROM it is now possible to gain an insight quickly into this specialist area. A particular feature of the CD-ROM is its media library with 17 video clips and 3 photo galleries. Each working stage is presented in film sequences, from the bending technique to polishing a maxillary appliance. The CD-ROM also illustrates the fabrication of a bimaxillary appliance and a occlusal splint. Fascinating close-up photographs demonstrate how appliances are fabricated step by step. The viewer sees aspects that are often normally hidden when observing a demonstration. This gives orthodontists and technicians tips on how the fabrication procedure can be improved. There are tips and suggestions for the daily routine to suit everyone, whether beginners or professionals. It is often the small tricks of the trade that change a standard appliance into a high-quality appliance. The CD-ROM contains more than 33 minutes of film and numerous photographs relating to the bending technique.

Orthodontic acrylics

Orthocryl® / Assortments



Orthocryl® assortment

REF 161-912-00	1 assortment
 Contents:	
1 kg Orthocryl® powder (polymer), clear	REF 160-112-00
500 ml Orthocryl® liquid (monomer), clear	REF 161-100-00
1000 ml 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®


Small pack powder (polymer) and liquid (monomer)

Color	REF	Quantity
transparent pink	160-501-00	200 g + 100 ml
clear	160-502-00	200 g + 100 ml

 0483



Orthocryl® assortment "The multicolored palette"

REF 160-600-00	1 assortment
 Contents:	
1 kg Orthocryl® powder (polymer), clear	REF 160-112-00
250 ml Orthocryl® liquid (monomer), red	REF 161-127-00
250 ml Orthocryl® liquid (monomer), green	REF 161-128-00
250 ml Orthocryl® liquid (monomer), blue	REF 161-129-00
250 ml Orthocryl® liquid (monomer), yellow	REF 161-130-00
1 x Funnel	REF 162-600-00



Orthocryl® assortment black & white

Contents:

- 1 x Orthocryl® powder (polymer), black (opaque), 60 g
- 1 x Orthocryl® powder (polymer), white (opaque), 60 g
- 2 x Spray nozzle for Orthocryl® powder (polymer, REF 162-751-00)

REF 160-200-00	1 assortment
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 0483




Orthocryl® Neon assortment

Brightly colored orthodontic acrylics

Neon-colored Orthocryl® powder (polymer) for producing brightly colored orthodontic appliances. Easy processing, using both the doughing and the salt-and-pepper technique in conjunction with the clear Orthocryl® liquid (monomer, REF 161-100-00 / 161-150-00). Disco glitter can also be used to enhance the effect of the colors.

Note:

When using the salt-and-pepper technique, the colors appear to have a marbled effect, especially green and blue. By using the doughing technique, the colors are mixed thoroughly resulting in more even and brighter colors.

REF 160-000-00	1 assortment
 Contents:	
200 g neon orange	REF 160-006-00
200 g neon yellow	REF 160-007-00
200 g neon blue	REF 160-008-00
200 g neon hot pink	REF 160-009-00
200 g neon green	REF 160-010-00
500 ml Orthocryl® liquid (monomer), clear	REF 161-100-00
6 x Spray bottle	REF 162-100-00

Orthocryl®

Powder (polymer)

Cold curing acrylic resin permitting the simple and economical fabrication of orthodontic appliances.

Especially suited for the spray-on (salt-and-pepper) technique.

Also, very suitable for the doughing technique.

Color	REF	Quantity	REF	Quantity
clear	160-112-00	1 kg	160-212-00	10 kg

CE 0483



Orthocryl® EQ

Powder (polymer)

Cold curing acrylic resin permitting the simple and economical fabrication of orthodontic appliances.

Especially suited for the doughing technique.

Also, very suitable for the spray-on (salt-and-pepper) technique.

Color	REF	Quantity	REF	Quantity
clear	160-300-00	1 kg	160-301-00	10 kg

CE 0483



Orthocryl® black & white

Powder (polymer), opaque

Cold curing acrylic resin permitting the simple and economical fabrication of orthodontic appliances.

Especially suited for the spray-on (salt-and-pepper) technique.

Also, very suitable for the doughing technique.

Color	REF	Quantity	REF	Quantity
black	160-011-00	200 g	160-013-00	1 kg
white	160-012-00	200 g	160-014-00	1 kg

CE 0483



Orthocryl® Neon

Brightly colored orthodontic acrylics

Powder (polymer)

Neon-colored Orthocryl® powder (polymer) for producing brightly colored orthodontic appliances. Easy processing, using both the doughing and the salt-and-pepper technique in conjunction with the clear Orthocryl® liquid (monomer, REF 161-100-00 / 161-150-00). Disco glitter can also be used to enhance the effect of the colors.

Note:

When using the salt-and-pepper technique, the colors appear to have a marbled effect, especially green and blue.

By using the doughing technique, the colors are mixed thoroughly resulting in more even and brighter colors.

Color	REF	Quantity	REF	Quantity
neon orange	160-006-00	200 g	160-001-00	1 kg
neon yellow	160-007-00	200 g	160-002-00	1 kg
neon blue	160-008-00	200 g	160-003-00	1 kg
neon hot pink	160-009-00	200 g	160-004-00	1 kg
neon green	160-010-00	200 g	160-005-00	1 kg

CE 0483



Orthodent acrylics

Orthocryl® / Single packs



Orthocryl®

Liquid (monomer)

Cold curing acrylic resin permitting the simple and economical 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				
clear			161-100-00	500 ml	161-150-00	1000 ml
transparent pink			161-300-00	500 ml	161-350-00	1000 ml

CE⁰⁴⁸³



Orthocryl®

Color concentrate

For tinting clear Orthocryl® liquid (monomer, REF 161-100-00 / 161-150-00). With one dispensing pipette.

Color	Mixing ratio	REF	Quantity
red	1 : 10	161-620-00	100 ml
green	1 : 20	161-621-00	100 ml
blue	1 : 50	161-622-00	100 ml
yellow	1 : 25	161-623-00	100 ml
black-violet	1 : 5 to 1 : 10	161-624-00	100 ml

CE⁰⁴⁸³

Mixing ratio:

	Liquid, clear	Color concentrate	Liquid, clear	Color concentrate
1 : 10 (red)	100 ml	10 ml	50 ml	5 ml
1 : 20 (green)	100 ml	5 ml	50 ml	2,5 ml
1 : 50 (blue)	100 ml	2 ml	50 ml	1 ml
1 : 25 (yellow)	100 ml	4 ml	50 ml	2 ml
1 : 5 – 1 : 10 (black-eggplant)	100 ml	20–10 ml	50 ml	10–5 ml

Orthocryl® Disco glitter

For coloring the removable appliances. The glitter is simply added as desired to the Orthocryl® powder (polymer) to give the appliance an attractive luster. No change in the processing of Orthocryl® is necessary. The appliances can be finished and polished without difficulty.

Mixing ratio:

0.5 : 100 (by volume glitter : powder)

Color	REF	Quantity
iris	161-605-00	50 g
red	161-606-00	50 g
blue	161-607-00	50 g
silver	161-608-00	50 g
gold	161-609-00	50 g
mother of pearl	161-611-00	50 g



Online-Shop

Dentaurum



Orthodontic acrylics

Novel designs



Novel designs /Assortment

For placing in orthodontic appliances. For polymerising into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Contents:

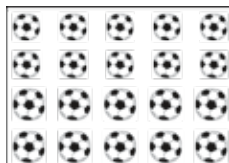
Assortment consists of 20 individual designs 20 pieces each = 400 pieces, plus tweezers.

REF 160-100-00	1 assortment
€	
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 Teddybear	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 160-100-32

Novel designs „Football“

Sheet with two different sizes of design

For placing in orthodontic appliances. For polymerising into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

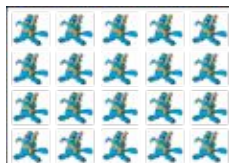


Design	REF	Quantity
Football	160-100-39	1 sheet = 20 pieces

€

Novel designs „Beaver“

For placing in orthodontic appliances. For polymerising into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

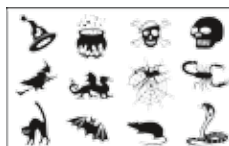


Design	REF	Quantity
Beaver	160-100-40	1 sheet = 20 pieces

€

Novel designs „Black Edition“

For placing in orthodontic appliances. For polymerising into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.



Design	REF	Quantity
Black Edition	160-100-41	1 sheet = 12 designs

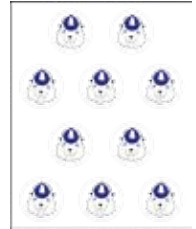
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Novel designs „Hello Beaver“

For placing in orthodontic appliances. For polymerising into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Design	REF	Quantity
Hello Beaver	160-100-42	2 sheets = 20 pieces

CE



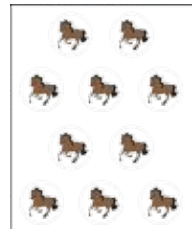
Neu
New

Novel designs „Horse“

For placing in orthodontic appliances. For polymerising into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Design	REF	Quantity
Horse	160-100-43	2 sheets = 20 pieces

CE



Neu
New

Novel designs „Pink Pony“

For placing in orthodontic appliances. For polymerising into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Design	REF	Quantity
Pink Pony	160-100-44	2 sheets = 20 pieces

CE






















Neu
New

Novel designs

Novel designs

For placing in orthodontic appliances. For polymerising into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

	Design	REF	Quantity
	Crocodile	160-100-01	20 pieces
	Frog	160-100-02	20 pieces
	Parrot	160-100-04	20 pieces
	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
	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	160-100-32	20 pieces
	Dolphin	160-100-34	20 pieces



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 bowls made of silicone

Flexible, with suction base. For all mixing jobs in the practice and laboratory. **Do not use with silicone materials!**

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



Funnel

REF 162-600-00	1 piece
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Measuring beaker

REF 162-200-00	1 piece
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Dispensing pipette

For Orthocryl® color concentrates.

REF 162-101-00	10 pieces
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Accessories



Separating medium

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

Separates:

- plaster from acrylic
- plaster from plaster

Color	REF	Quantity
pink	162-800-00	1000 ml



Modeling wax

For acrylic work, construction bites etc.

- well adaptable
- 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 x 80 mm	1.5 mm	pink	119-150-00	500 g

CE



Thermo wax

- heat-resistant blocking wax
- for covering springs used in the Orthocryl® technique
- prevents acrylic from becoming milky in appearance

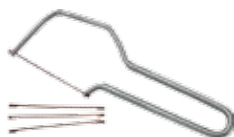
Melting point	Color	REF	Quantity
87 °C / 188.6 °F	pink	120-170-00	50 g



Sticky wax

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

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



Saw

For Orthodontics/Prosthetics.
Small saw with replaceable blades.

Contents of delivery:

Saw incl. 3 saw blades

REF 180-702-00	1 piece
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Saw blades

For saw.

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

FKO-split-post fixator

acc. to Gordon

This split-post fixator is designed for precise model positioning and holding. Special conical arms allow for the removal and replacement of models.

REF 072-004-00

1 piece



Expansion kit

For FKO-split-post fixator.

To produce a horizontally split functional appliance, as well as correct positioning of the models parallel to the occlusal plane. The horizontal dividing mirror is made of highly corrosion-resistant stainless steel, thus producing a smooth and shiny acrylic surface when applied to the upper and lower jaws. The appliance does not have to be touched up after polymerization.

REF 072-006-00

1 piece



Polyclav®

Pressure vessel for polymerising cold-curing resins such as Orthocryl®.

With safety valve. **Pressure hose not included.**

Capacity: 4 l

REF 070-000-00

1 piece



Pressure hose

For Polyclav® (REF 070-000-00).

Length: 2 m

With plug nipple to fit inlet valve and standard connection for compressed air sockets.

REF 070-700-00

1 piece



Heating plate

For Polyclav® (REF 070-000-00).

Technical data

Output	125 W
Power voltage	230 V~
Thermostat for water temperature	43 °C / 109.4 °F
Power frequency	50 Hz
Weight	2.6 kg
Dimensions (W x H x D)	240 x 240 x 75 mm

REF 070-900-00

1 piece



Accessories



Suction apparatus with charcoal filter

For protection against vapour during processing of acrylics in the laboratory.

- controlled by a photoelectric sensor (switches off and on automatically)
- includes hour meter
- easy-change filter (replace the filter cartridge (REF 072-001-30) after approx. 50 operating hours)

Technical data

Output	100 W
Power voltage	230 V~
Power frequency	50 Hz
Weight	6 kg
Dimensions (W x H x D)	220 x 260 x 260 mm

REF 072-001-00	1 piece
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Dermatril® disposable rubber gloves

For protection during work with Polymethylmethacrylate such as Orthocryl®. Made from special-Nitrile, free from powder and natural latex.

Layer thickness	Size	REF	Quantity
0.10 mm	S	162-907-00	100 pieces
0.10 mm	M	162-908-00	100 pieces
0.10 mm	L	162-909-00	100 pieces

CE 0121



DubliGel

Specialized duplicating material for secondary model in plaster.

- extremely clean duplications with all types of plaster
- excellent cost-effectiveness

Area of application:

- dental stone duplication

Color: pink

REF 165-501-00	5 kg
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ecosil +

Additional cross-linked two component silicone with excellent value for money.

- good color contrast
 - green color prevents mixing errors
- extremely thin flowing consistency
 - highly accurate duplicate reproduction
- long working time
 - can be used to re-cast models many times
- medium Shore hardness A (19)
 - use also with ring free duplicating systems

Caution! Components A or B of ecosil + should not be mixed with the previous ecosil!

Component	Color	REF	Quantity	REF	Quantity
A (Catalyst)	yellow	108-703-10	1 kg	108-705-10	5 kg
B	blue	108-704-10	1 kg	108-706-10	5 kg

Technical data	A (Catalyst)	B
Mixing ratio	1 : 1	
Viscosity	2000 mPas	
Density	1160 g/l	
Working time	6-8 min	
Setting time	30 min	
Shore hardness A	18-20	
elastic memory	99.9 %	



**Neu
New**

Tap

For 5 kg canister.

REF 108-716-00	1 piece
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Dentaurum

Online-Shop

Orthodontic acrylics

Appliance containers and accessories



Appliance container, mini

The mini version is especially suitable for single appliances and oral screens (e.g. the Ulmer Modell).

Material: Plastic (dimensionally stable and impact resistant)

Dimensions (W x H x D): 7.00 x 3.30 x 4.80 cm

Size	Color	REF	Quantity
mini	pearl blue	163-602-01	10 pieces
mini	pink	163-603-01	10 pieces
mini	yellow	163-604-01	10 pieces
mini	orange	163-605-01	10 pieces
mini	green	163-606-01	10 pieces
mini	purple	163-609-01	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 x 4.50 x 5.60 cm

Size	Color	REF	Quantity
maxi	pearl blue	163-702-01	10 pieces
maxi	pink	163-703-01	10 pieces
maxi	yellow	163-704-01	10 pieces
maxi	orange	163-705-01	10 pieces
maxi	green	163-706-01	10 pieces
maxi	black	163-707-01	10 pieces
maxi	white flecked	163-708-01	10 pieces
maxi	purple	163-709-01	10 pieces



Appliance container, 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 x 4.70 x 7.80 cm

Size	Color	REF	Quantity
magnum	pearl blue	163-802-01	10 pieces
magnum	pink	163-803-01	10 pieces

Appliance container, "football"

Universal size for removable upper appliances, bimaxillary appliances and function regulators incl. carabiner hook.
Material: Plastic (dimensionally stable and impact resistant)

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



Carabiner hook

For attaching the appliance container to a belt loop.

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

For appliance containers, printed with "Dentaurum".

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



Premium-Line pliers	Page 310
Pliers and instruments	Page 314
Accessories	Page 316

Tips on maintenance can be found on page 384–387.



Pliers and instruments.

Best quality for all applications.



- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■
- Titanium ■
- Finishing ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■
- Pliers | Instruments** ■
- Equipment ■
- Implantology ■
- Knowledge ■
- Courses ■
- Service ■




PREMIUM
LINE
10 Year Guarantee!

One program to cover all areas.

Whether for removable orthodontic techniques or for prosthetics, the range of Dentaaurum pliers covers all standard applications. This provides the user with the advantage of consistent quality and reliability and it is not necessary to deal with different instructions for use or cleaning and care specifications. Application is therefore quicker and more effective.

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 saying „Made in Germany“. For this reason, Dentaaurum's Premium-Line Pliers are extra long-lasting.



Premium-Line Pliers

Premium quality – Premium function.

Dental instruments

A versatile assortment for
orthodontic practices and laboratories.



Premium-Line pliers



Nance loop closing pliers

sterilizable

For bending of stop loops and as special pliers for Adams clasps.

max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 001-002-00

1 piece

CE



Angle wire bending pliers standard

sterilizable

Sturdy constructed plier with a cone and pyramid shaped beak.

max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-139-00

1 piece

CE



Angle wire bending pliers

sterilizable

Sturdy constructed plier with a cone and pyramid shaped beak. Inserts made of hard metal.

max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 004-139-00

1 piece

CE



Loop forming pliers Medium

For bending small springs, eyelets and loops.

max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-053-00

1 piece



Loop forming pliers Maxi

For bending springs, loops and space maintainers.

max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 003-233-00

1 piece



Ruhland loop forming pliers Magnum

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

max. wire thickness: \varnothing 1.1 mm, hard

Premium-Line · 10 year guarantee

REF 001-650-00

1 piece

Adams pliers Medium

With two smooth, rectangular beaks. Tungsten carbide coated working faces that can be replaced in the factory.

Length: 12.0 cm

max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-515-00

1 piece



Adams pliers Medium

With two smooth, rectangular beaks.

Inserts made of hard metal. With guiding groove.

Length: 12.0 cm

max. wire thickness: \varnothing 0.7 mm, spring hard

Premium-Line · 10 year guarantee

REF 004-515-00

1 piece



Adams pliers Maxi

With two smooth, rectangular beaks.

Length: 14.5 cm

max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 003-094-00

1 piece



Adams pliers Medium

With one smooth, rectangular and one smooth, rounded beak.

Length: 14.0 cm

max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-516-00

1 piece



Adams pliers Maxi

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

Length: 16.0 cm

max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 004-095-00

1 piece



Wire bending pliers, wide

Serrated tips. Suitable for activating finger springs.

With guiding groove.

max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 033-452-00

1 piece



Premium-Line pliers



Wire bending pliers Maxi

Universal bending and cutting pliers.
Inserts made of hard metal.
max. wire thickness: \varnothing 0.9 mm, hard
Cuts up to: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 013-522-00

1 piece



Universal wire bending pliers

With serrated tips and guiding grooves.
max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 003-290-00

1 piece



Pointed beak pliers

Smooth beaks with guiding groove.
Inserts made of hard metal.
max. wire thickness: \varnothing 0.7 mm, spring hard

Premium-Line · 10 year guarantee

REF 004-455-00

1 piece



Pointed beak pliers

Serrated beaks with guiding groove. Fine pointed.
max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 035-455-00

1 piece



Young loop bending pliers

Universal pliers for different size loops. Ideal for labial arches.
max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 012-074-00

1 piece



Aderer 3-Prong pliers Mini

Length: 12.5 cm

max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-201-00

1 piece

Premium-Line pliers

Aderer 3-Prong pliers Medium

Length: 13.0 cm

max. wire thickness: \varnothing 0.9 mm, hard

Premium-Line · 10 year guarantee

REF 003-200-00

1 piece



Aderer 3-Prong pliers Maxi

Sturdy design.

Length: 15.5 cm

max. wire thickness: \varnothing 1.5 mm, hard

Premium-Line · 10 year guarantee

REF 003-202-00

1 piece



Arrow clasp former

max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee



REF 012-520-00

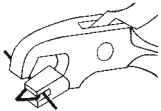
1 piece



Arrow clasp bending pliers

max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee



REF 012-521-00

1 piece



Face bow bending/Cutting pliers Magnum sterilizable

Ideal for bending and cutting the outer bows of a face bow.

max. wire thickness: \varnothing 1.8 mm

Premium-Line · 10 year guarantee

REF 003-180-00

1 piece

CE

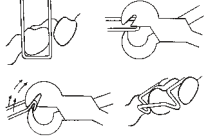


Pliers and instruments



Adams clasp bending pliers

Special pliers for easy forming of Adams Clasps.
max. wire thickness: \varnothing 0.7 mm, hard



REF 012-523-00

1 piece



Heavy gauge side cutter Magnum

Little force required for cutting through large size wires due to special design.
We do not recommend using the front third of the cutters for cutting wires with the maximum indicated thickness!
max. wire thickness: \varnothing 1.3 mm, hard

REF 044-177-00

1 piece



Scissors

For cutting thin metal bands.

Version	REF	Quantity
straight	007-024-00	1 piece
curved	008-025-00	1 piece



Mosquito forceps without hook sterilizable

Crown forceps or for placing Dentalastics® plastic ligatures.

REF 000-730-00

1 piece

CE



Forceps

REF 260-306-00

1 piece



Crown Master forceps

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

REF 260-300-02

1 piece

Muffle tongs

- for large and small muffles
- stainless

Length: 56.0 cm

REF 127-400-00

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



Accessories



Maintenance and protection oil for pliers and instruments

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

REF 055-201-00

50 ml

CE



Stand for wires and pliers

Material: Plastic

With 6 tubes for straight wires.

Do not use disinfectants containing ethanol, phenol or alcohol.

Color: transparent, clear

Height: approx. 13 cm

Width: approx. 18 cm

REF 055-101-01

1 piece



Stand for pliers

Do not use disinfectants containing ethanol, phenol or alcohol.

suitable for	Material	Color	Length	REF	Quantity
approx. 7 pliers	Plastic	transparent, clear	13.0 cm	055-000-00	1 piece
approx. 14 pliers	Plastic	transparent, clear	25.0 cm	055-100-00	1 piece

Welding units and accessories	Page 324
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Equipment.

For professional workmanship.



- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■
- Titanium ■
- Finishing ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■
- Pliers | Instruments ■
- Equipment** ■
- Implantology ■
- Knowledge ■
- Courses ■
- Service ■

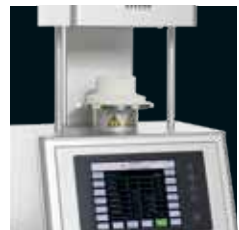


Certified Quality – made in Germany.

Dentaurum equipment meets the highest demands on laboratory safety and robustness. Not only is functionality of great importance but also user comfort.

Maintenance-friendly Machine Construction.

Specially trained mechanics help sustain a professional machine management service. Maintenance contracts and a long term guarantee of spare parts, aid in preserving the machines, even when constantly in laboratory use.



desktop Compact

High performance, universal table laser welding machine.

Spot Welding Units

Junior, Assistant and Master 3000.

megapuls compact

Compact, high frequency, casting unit.

Airvac 2002

Universal, maintenance-free vacuum mixer.

Dublitherm compact

Compact, maintenance-friendly duplicating machine.

Paramil 3

Universal milling machine with outstanding value for money.

Paratherm, Paraline

Surveying and blocking-out devices.

Dentablast/Dentablast Duo

Maintenance-free blasting units.

Dentaurum – Laser technology.

For professional welding in prosthetics.

Laser welding – the modern joining technique.

Laser welding allows more efficient working. In comparison with traditional soldering you save 80 % of your time. You can carry out new fabrications and repair jobs better and faster by using a dental laser.

Highest degree of biocompatibility.

Due to their high susceptibility to corrosion biocompatibility in solder joints is rated rather low. This is the reason why metallurgists and toxicologists have lately taken a very critical stand towards the traditional soldering method. This problem is further aggravated by increasing occurrences of allergic reactions. By using the laser welding technique you can avoid this problem.



Highest degree of stability.

In opposite to soldering laser welding produces an uniform, homogenous joining. Your laser welded joints therefore exhibit a higher degree of mechanical stress endurance, and last longer. Therefore, you provide your dentist with more security and better quality.

The broad spectrum of application.

With laser welding entering into the field of dental fusing technique the spectrum of application is considerably improved and expanded. Now you can carry out complex jobs even with supra-constructions, without any problems. Use the laser also for the quick repair of small defects.

Whether you want to process precious metal alloys with a high gold content, alloys free of precious metals, or titanium, with the laser you cover the whole range of dental materials.

The ergonomics – extremely user friendly.

All Dentaurem lasers are marked by their special ergonomic design. Working with the equipment becomes a relaxed and easy affair for you.

- Dentaurem lasers exhibit their excellent ergonomics in the optimal inclination of the laser axis. Thereby you do not only sit relaxed at the microscope, but you can also hold the workpiece at an optimal angle.
- The laser optics are marked by exceptional in-depth sharpness. That means for you: The welding performance does not change, even if you do not adhere to the optimal welding plane.
- Due to the argon nozzle the workpiece is always flushed with argon. This ensures an oxidation free welding fusion with high stability.

Welding units and accessories



desktop Compact

Laser welding – powerful and easy to use.

20 years of dental laser welding technique accumulated in a compact table unit. From delicate, detailed welding to secure joints, the desktop Compact laser can be used for all areas of application in dental prosthetics and orthodontics. The finely adjustable dosage makes welding so much easier. Until now, such compact machine measurements were not available in this laser performance category. Simple machine operation prevents from fatigue at work.

Advantages:

- extremely compact table top unit
- 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, 1 x flexible and 1 x fixed retractable
- large pulse adjustment range – easy operation using joysticks
- integrated extraction and cool air nozzle

Further product information is available on request.

Power voltage	REF	Quantity
230 V~	090-578-00	1 piece

Technical data

max. Power	50 W
Peak pulse output	5000 W
Pulse energy	50 J
Pulse duration	0.5-20 ms
Pulse frequency	single pulse - 25 Hz
Welding spot diameter	0.2-2.0 mm, infinitely variable motorized adjustment
Memory settings	39
Pulse shaping	4 pre-set pulse shapes
Argon nozzle	1 x flexible, 1 x fixed retractable
Air nozzle	integrated in welding chamber
Extraction	integrated with suspended particle filter
Microscope	Stereo microscope with 16x magnification
Lighting	2 x 20 W Halogen
max. Working height	180 mm
Electric fuse	16 AT
Power frequency	50/60 Hz
Weight	50 kg
Dimensions (W x H x D)	510 x 430 x 645 mm

Welding units and accessories

Electrically adjustable stand

The answer to unsurpassed ergonomics with the Dentaurum desktop laser-welding units.

Advantages:

- this stand offers the user the best possible ergonomics
- the electrically adjustable stand enables the technician to change to his or her comfort level, via a foot switch, within seconds. This offers the most comfortable viewing level, and assures full concentration on the laser work
- the stand is designed to guarantee fatigue-free laser welding, even after extended periods of time
- can be used with all Dentaurum desktop laser-welding units



Power voltage	REF	Quantity
230 V~	090-574-00	1 piece

Technical data

Power frequency	50 Hz
min. Working height	740 mm
max. Working height	1090 mm

CoCr welding wire

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

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



CE 0483

Composition (percentage by mass)

Co	Cr	Mo
65	28	5,5

Additional elements ≤ 1 %: Mn, Si



Online-Shop

Dentaurum

Welding units and accessories



NiCr welding wire

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

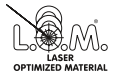
ø	Length	REF	Quantity
0.50 mm / 20	2 m	528-220-00	1 piece

CE⁰⁴⁸³

Composition (percentage by mass)

Ni	Cr	Mo	Nb	Ta	Fe
61	22	9	2	2	1

Additional elements ≤ 1 %: Al, Co, Mn, Si, Ti



rematitan® wire on coils

Titanium grade 1

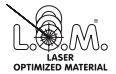
Norm: DIN 17850

For laser welding.

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

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

CE⁰⁴⁸³



rematitan® straight wire

Titanium grade 1

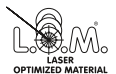
Norm: DIN 17850

For laser welding.

Recommended as strengthener wire with fixed titanium RPE appliances (Titanium hyrax® Maxi - 12).

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

CE⁰⁴⁸³



Welding units and accessories

rematitan® straight wire

Titanium grade 4

Norm: DIN 17850

For laser welding.

Recommended for axes of swing locks.

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

CE 0483



rematitan® straight wire

Titanium grade 1

Norm: DIN 17850

For laser welding.

ø pressed	Length	REF	Quantity
0.25 x 3.0 mm / 10 x 118	each 100 mm	528-044-00	10 pieces
0.5 x 1.5 mm / 20 x 59	each 100 mm	528-043-00	10 pieces

CE 0483



Adjustable focusing device for the laser welder

This holder is a device for the perfect adjustment of the crosshair of dental laser welders. The testing plate is clamped into the adjustable holder. The height is then perfectly adjusted inside the welding chamber. As soon as the testing plate is visible in the microscope, the laser beam is aimed at the testing plate and the crosshair can be aligned with that particular point.

REF 090-525-00	1 piece
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Testing pellets

To be used with adjustable focusing device for the laser welder (REF 090-525-00).

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



Paralas

Device for parallel alignment of attachments for the laser welding technique.
Incl. 2 paralleling holders for bars:
1.6 mm (REF 210-023-00) and 2.1 mm (REF 210-013-00)

REF 090-520-00

1 piece



Parallel holders for bars

Available in 2 designs for bar hinges and bar attachments.

Version	Width	REF	Quantity
micro	1.6 mm	210-023-00	1 piece
macro	2.1 mm	210-013-00	1 piece



Argon fitting

For laser/OrthoPhaser®.
For connecting the laser to the argon bottle.
• flow rate shown in liters

REF 090-404-00

1 assortment



Armrest cushions

For laser.

REF 090-513-10

2 pieces



Special tungsten electrodes

For OrthoPhaser®.
• special electrodes for all applications

REF 090-401-00

10 pieces

Welding units and accessories

Brass wire brush

For OrthoPhaser®.

- for cleaning the welding area

REF 090-402-00

1 piece



Connecting clip "Crocodile clip"

For OrthoPhaser®.

Cable length: 100 cm

REF 090-403-00

1 piece



Spot welding unit Junior 3000

- no continuous soldering
- toggle switch for operating mode
- connection for hand electrode
- connection for foot switch

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



Power voltage	REF	Quantity
230 V~	077-000-00	1 piece

Technical data

Output	115 W
Welding power	to 1200 A
Welding stages	2 stages
Soldering stages	1 stage
Electric fuse	2 AT
Power frequency	50/60 Hz
Weight	7 kg
Dimensions (W x H x D)	335 x 130 x 310 mm

Welding units and accessories



Spot welding unit Assistent 3000

- button for continuous soldering
- LED display
- automatic voltage detection
- current limitation if electrode is incorrect
- power saving device (stand-by mode if not used for 10 minutes)
- error indications for:
 - overheating
 - mix-up of electrodes
- connection for hand electrode
- connection for foot switch

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

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

Technical data

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

Welding units and accessories

Spot welding unit Master 3000

- infinite power adjustment in all modes
- button for continuous soldering
- LCD-display with 5 language settings (German, English, French, Italian, Spanish) for selection by the customer
- automatic voltage detection (110-240 V)
- current limitation if electrode is incorrect
- power saving device (stand-by mode if not used for 10 minutes)
- error indications for:
 - overheating
 - mix-up of electrodes
 - system problems
- printer connection e.g. for welding report as patient documentation, (REF 090-581-00)
- connection for hand electrode
- connection for foot switch



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

Power voltage	REF	Quantity
110-240 V~	079-000-00	1 piece

Technical data

Output	140 W
Welding power	to 2200 A
Welding stages	stageless
Soldering stages	stageless, continuous welding
Electric fuse	3.15 AT
Power frequency	50-60 Hz
Weight	8.2 kg
Dimensions (W x H x D)	335 x 130 x 310 mm

Online-Shop

Dentaurum



Welding units and accessories



Foot switch

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

REF 080-116-00	1 piece
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Hand electrode, single

Suitable for all Dentaaurum spot welding units.

REF 081-101-00	1 piece
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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
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Electrode, notched, for hand electrode

Suitable for all Dentaaurum spot welding units.

- for soft-annealing, tempering and welding

REF 081-501-00	2 pieces
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Clamping electrode for hand electrode

Suitable for all Dentaaurum spot welding units.

- for soft-annealing, tempering and welding

REF 081-701-00	1 piece
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Welding electrode

Suitable for all Dentaaurum 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 Dentaaurum spot welding units.

- carbon with holder

REF 085-300-00

1 piece



Carbon insert

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

REF 085-400-00

10 pieces



Welding units and accessories



Screw

- for tightening electrodes on Dentaureum spot welding units

REF 084-100-00

10 pieces



Fuse

Characteristic	Power	REF	Quantity
slow	2.00 A	907-047-10	1 piece
slow	3.15 A	907-037-10	1 piece



Screwdriver

- for replacing electrodes on all Dentaureum spot welding units

REF 083-100-00

1 piece



Files

- for cleaning copper and carbon electrodes on spot welding units

REF 083-300-00

10 pieces



Heat protection

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

REF 380-070-00

100 g



Dentaflux® flux

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

REF 681-100-00

50 g

Welding units and accessories

Universal silver solder

- in rods
- ready fluxed
- cadmium free

Ø	1-1.1 mm
Working temperature	700 °C / 1292 °F

REF 380-604-50	1.2 g
REF 380-604-60	10 x 1.2 g

CE 0483

Composition (percentage by mass)

Ag	Zn	Cu
59	24	16

with flux



Universal silver solder

- in coils
- without flux
- cadmium free

Working temperature	700 °C / 1292 °F
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REF 380-704-50	10 g
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CE 0483

Composition (percentage by mass)

Ag	Zn	Cu
59	25	16

without flux



White gold solder

- in rods
- ready fluxed
- Purity: ct 18.6
- cadmium free

Ø	1-1.1 mm
Working temperature	950 °C / 1742 °F

REF 380-600-50	1.6 g
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CE 0483

Composition (percentage by mass)

Au	Ni	Zn
77.0	16.0	6.0

with flux



Casting unit and accessories



megapuls compact

The megapuls compact is a compact, high frequency, centrifugal casting unit.

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

Advantages:

- exceptionally compact, high frequency casting machine
- extremely good value for money
- very short melting cycles due to strong performance, the casting arm quickly comes to a halt
- capable of casting 25 x in succession
- short melting times: e.g. CoCr model casting approx. 40 s
- easy operation
- high centrifugal strength
- casting performance can be adjusted gradually
- HF coil is lowered automatically

Further product information is available on request.

Power voltage	REF	Quantity
230 V~	090-620-00	1 piece

Technical data

max. Temperature	1750 °C / 3182 °F
Torque	0...21 Nm
max. Melting quantity	100 g precious metal, 70 g CoCr
Water requirement	2 l/min
Power frequency	50-60 Hz
Weight	55 kg
Dimensions (W x H x D)	560 x 400 x 580 mm

Casting unit and accessories

Crucible for megapuls compact

- long life time
 - minimum adherence of metal and slag
- Field of use:** CoCr, NiCr, Pd alloys
Material: Ceramics

REF 090-611-00

10 pieces



Graphite insert

For ceramic crucible REF 090-610-00 and REF 090-611-00.
Field of use: Precious metal alloys

REF 090-615-00

10 pieces



Crucibles

For megapuls casting machines up to year of construction 2005.
Field of use: CoCr, NiCr, Pd alloys
Material: Ceramics

REF 090-610-00

10 pieces



Casting unit and accessories



Table with integrated water tank and pump

The circulating cooling water allows to operate the casting machine megapuls compact without an exterior water supply. At the same time the height of the table guarantees optimal working conditions.

Power voltage	REF	Quantity
230 V~	090-606-00	1 piece

Technical data

Output	260 W
Filling quantity	20 l
Pump capacity	9 l/min
Electric fuse	1.6 AT
Power frequency	50/60 Hz
Weight	41.5 kg
Dimensions (W x H x D)	680 x 650 x 600 mm

Casting unit and accessories

Ceramic seal

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

- asbestos free
- high temperature resistant casting ring seal

REF 090-012-60

100 pieces



Crucible for titanium casting machines

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

Material: Copper

REF 090-110-00

1 piece



Receptacle for ceramic crucible

For autocast universal® casting machine.

REF 090-160-00

1 piece



Ceramic crucible

For autocast universal® casting machine.

Version	REF	Quantity
standard	090-161-00	10 pieces
large	090-161-50	10 pieces



Crucible electrode

For autocast universal® casting machines.

REF 090-162-00

5 pieces



Vacuum mixer and accessories



Power voltage	REF	Quantity
230 V~	095-072-00	1 piece

Airvac 2002

The Airvac 2002 is a universal vacuum mixer. It can be used for mixing any standard plaster, investment or silicone. A feature of the integrated industrial engine is its very high torque. The high-performance vacuum pump incorporated in the unit is maintenance-free.

Advantages:

- very easy to operate
- precise positioning of the mixing shaft contributes to a long life time of the mixing motor
- compact
- automatic regulation of the vacuum provides increased reliability
- the mixing motor remains clean and is easily serviced due to a supporting filter and a fine filter in conjunction with the maintenance-free vacuum pump
- direct connection between mixing bowl and vacuum pump – no disturbing exterior hose
- mechanical coupling locks the mixing bowl in position
- a choice of 3 mixing bowls (900 g, 500 g and 120 g)

Contents of delivery:

- 1 Airvac 2002 vacuum mixer
- 1 mixing bowl, medium (REF 095-063-00)
- 1 fixing set for mounting on the wall

Further product information is available on request.

Technical data

Output	250 W
min. Pressure	100 mbar
No. of revolutions mixer	368 min ⁻¹
Electric fuse	3.15 AT
Power frequency	50 Hz
Weight	11.5 kg
Dimensions (W x H x D)	150 x 325 x 212 mm



Unit base for Airvac 2002

REF 095-075-00	1 piece
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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

Dublitherm compact

The first of a new generation of duplicating units.

The Dublitherm compact is a very economic duplicating machine designed for all types of duplicating gel. A powerful dual cutting and mixing paddle ensures reliable and easy-to-clean operation. One of the major advantages of the machine is that the duplicating gel is mixed quickly and thoroughly, even when the gel has already set. 2.5 kg capacity is adequate for most laboratories' requirements and therefore saves energy. The quick but gentle heating and cooling of the material together with the highly precise temperature control provide economical use and a consistent working temperature. These features are the foundation for the subsequent excellent results.

Advantages:

- quick heating times due to the precise temperature control
- short cooling times due to a special cooling channel
- strong and efficient mixer
- pot is easy to clean
- compact machine for 2.5 kg duplicating gel
- processing is gentle on material
- processing is also possible once the duplicating material has set
- exact temperature control
- easy to use
- time switch/timer

Further product information is available on request.



Power voltage	REF	Quantity
230 V~	094-782-00	1 piece

Technical data

Output	700 W
Filling quantity	2.5 kg
Working temperature T_A	45-55 °C / 113-131 °F
Melting temperature T_S	90-95 °C / 194-203 °F
Electric fuse	4 ATH
Power frequency	50/60 Hz
Weight	17 kg
Dimensions (W x H x D)	360 x 340 x 440 mm

Online-Shop

Dentaurum



Surveying equipment and accessories



Paratherm Surveying, blocking out and waxing unit

Advantages:

- flexible measuring movement with linearly guided sliding bars
- horizontal swiveling range of the two arms over the entire working area
- separate measuring and thermal blocking-out rods, vertically spring adjustable. All positions fully adjustable
- secure lockings
- thermal temperature can be regulated up to 140 °C / 284 °F
- replaceable tips
- heavy, rigid construction
- instrument storage holder
- connection for electric wax knife and holder

Contents of delivery:

- 1 Paratherm with surveying and blocking-out arm
- 1 analyzing rod (REF 094-287-00)
- 1 graphite holder (REF 094-288-00)
- 10 replacement graphite markers (Graphite, REF 094-289-00)
- 4 undercut gauges 0.25 mm (REF 094-283-00), 0.35 mm (REF 094-284-00), 0.5 mm (REF 094-285-00), 0.75 mm (REF 094-286-00)
- 2 thermal blocking-out instruments 0° (REF 094-275-00), 2° (REF 094-277-00)
- 1 plastic cover
- 1 fuse

Please order model table (REF 086-340-00) and wax knife (REF 094-272-00) separately.

Power voltage	REF	Quantity
110/230/240 V~	094-270-00	1 piece

Technical data

Output	22 W
Power frequency	50/60 Hz
Weight	4.7 kg
Dimensions (W x H x D)	200 x 390 x 240 mm



Paraline

Surveyor (no blocking out unit). Based on the Paratherm unit. No connection socket available for electric wax knife.

Contents of delivery:

- 1 Paraline unit
- 1 analyzing rod (REF 094-287-00)
- 1 graphite holder (REF 094-288-00)
- 10 replacement graphite markers (Graphite, REF 094-289-00)
- 4 undercut gauges 0.25 mm (REF 094-283-00), 0.35 mm (REF 094-284-00), 0.5 mm (REF 094-285-00), 0.75 mm (REF 094-286-00)
- 1 plastic cover

Please order model table (REF 086-340-00) separately.

Technical data

Dimensions (W x H x D)	200 x 390 x 240 mm
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REF 094-290-00	1 piece
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Surveying equipment and accessories

Analyzing rod

For Paratherm and Paraline.

REF 094-287-00	1 piece
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Graphite holder

For Paratherm and Paraline.

REF 094-288-00	1 piece
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Replacement graphite markers

For Paratherm and Paraline.

REF 094-289-00	10 pieces
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Undercut gauges

For Paratherm and Paraline.

Undercut	REF	Quantity
0.25 mm	094-283-00	1 piece
0.35 mm	094-284-00	1 piece
0.50 mm	094-285-00	1 piece
0.75 mm	094-286-00	1 piece



Thermal blocking-out tip

For Paratherm.

Degrees	REF	Quantity
0°	094-275-00	1 piece
1°	094-276-00	1 piece
2°	094-277-00	1 piece
3°	094-278-00	1 piece
4°	094-279-00	1 piece
6°	094-280-00	1 piece
8°	094-281-00	1 piece



Surveying equipment and accessories



Electric wax knife

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

Contents of delivery:

- handpiece
- cable
- wax knife (REF 089-602-00)

Temperature setting: stageless up to 280 °C / 536 °F

REF 094-272-00

1 piece



Model table

- fully adjustable model holder
- zero position return
- easy and secure mounting of models
- large base
- cast aluminum
- clean and sturdy construction

REF 086-340-00

1 piece

Milling machine and accessories

Paramil 3 – Milling machine

Universal milling machine for all applications in prosthetics with outstanding value for money.

Advantages:

- simplified milling in wax or metal
- precise hinged joint moves easily and can be locked in place when needed
- integrated pneumatic system represents a unique feature which allows the milling table to hover on an air cushion over the working surface if required
- built-in cooling ensures lubrication of the drill or of the milling surface
- the integrated motor can be regulated to run up to 27000 min⁻¹ in either clockwise or counterclockwise direction
- the motor as well as cooling of the milling area are conveniently controlled by a foot pedal
- integrated halogen lamp provides excellent lighting conditions

Contents of delivery:

- milling machine including motor and model table



Power voltage	REF	Quantity
230 V~	094-220-00	1 piece

Technical data

Output	100 W
Turning rotations	1500-27000 min ⁻¹
Clamping plier ø	2.35 mm / 3
Lighting	1 x 5 W Halogen
Compressed air supply	3-4 bar
Power frequency	50/60 Hz
Weight	25 kg
Dimensions (W x H x D)	240 x 510 x 270 mm

Milling oil

For Paramil 3.

REF 094-222-00	54 g
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Blasting units and accessories



Dentablast

Robust blasting unit for all areas of dental technology.

Advantages:

- for the quick and easy removal of investment material and oxides from cast objects
- no risk of blockage
- connection for suction units

Further product information is available on request.

Power voltage	REF	Quantity
230 V~	094-530-00	1 piece
115 V~	094-531-00	1 piece

Technical data

Output	30 W
Compressed air supply	1-10 bar
Blasting compound up to	250 µm
Power frequency	50/60 Hz
Weight	17,5 kg
Dimensions (W x H x D)	330 x 570 x 410 mm

Blasting units and accessories

Dentablast Duo

Maintenance-free blasting unit with two abrasive material containers.

Advantages:

- separately adjustable pressure for both abrasive material containers
- a selection of 3 different nozzles
- connection for suction units

Further product information is available on request.



Power voltage	REF	Quantity
230 V~	094-540-00	1 piece
115 V~	094-541-00	1 piece

Technical data

Output	30-100 W
Compressed air supply	1-10 bar
Blasting compound up to	250 µm
Power frequency	50/60 Hz
Weight	24 kg
Dimensions (W x H x D)	340 x 470 x 480 mm

Dust filter for Dentablast and Dentablast Duo

Field of use: when no suction is present

REF 094-538-00	1 piece
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Blasting units and accessories



Suction unit

Recommended for operation with the Dentablast (REF 094-530-00, 094-531-00) and Dentablast Duo (REF 094-540-00, 094-541-00).

Power voltage	REF	Quantity
230 V~	094-550-00	1 piece

Technical data

Power frequency	50/60 Hz
Weight	25 kg
Dimensions (W x H x D)	550 x 560 x 210 mm

Blasting units and accessories

Blasting abrasive

99.6 % Aluminum oxide (Corundum) Al_2O_3

- hard, multisides, wear-resistant particles for intense, fast cleaning action
- for removing investment in sandblasters
- for surface conditioning with metal surfaces

Color: white

Grain size	Grain size	REF	Quantity
50	44-74 μm	128-017-00	4,5 kg
100	88-125 μm	128-020-00	4,5 kg
250	210-297 μm	128-016-00	10 kg
400	354-500 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	210-297 μm	128-011-00	10 kg
500	420-595 μm	128-010-00	10 kg



Polishing beads

hardened silicate

- uniform hardness, high durability
- for clean, polished, contamination-free surfaces
- no metal removal
- ultra-effective cleaning action

Grain size	Grain size	REF	Quantity
75	50-105 μm	128-211-00	4,5 kg



Ceramic furnaces and accessories



Power voltage	REF	Quantity
230 V~	095-230-00	1 piece

Ceramic press furnace Austromat® 654 press-i-dent®

This ceramic press furnace allows you to program firing and pressing cycles in any sequence without time limits. The unrestricted program design enables you to create any possible firing technique. Operation by using a large, scratch-resistant colored touch screen or PC. The electromechanical drive of the innovative UPS upwards press system comes without compressed air connection and enables simultaneous pressing with up to 5 plungers or 5 different shades. Clear program manager with 200 programs.

Advantages:

- menu control including temper and cooling phases
- AutoDry®: Simulates object temperature measurement and automatically regulates the distance from the firing chamber with the stepless, vibration-free lift for precise drying and cooling phases
- set-up function for individual user adaption
- 2 USB interfaces for easy data transfer, software update or operation via a computer mouse
- Software options for function extension (included in the delivery contents)
Connection to DEKEMA® internet database, operation using PC or MAC via JAVA™ internet browser

Contents of delivery:

- Ceramic press furnace Austromat® 654 press-i-dent®
- Firing platform
- Press platform
- Silver sample set
- Vacuum pump (REF 095-230-50)
- Tweezers
- Software package
- Unit cable

Technical data

Final/Firing temperature	100-1200 °C / 212-2192 °F
Rise in temperature	1-99 °C/min / 33.8-210.2 °F/min
Programs	200 individually programmable
Press path	max. 26 mm
Dimensions oven chamber ø x Height	52 x 65 mm
Dimensions oven chamber ø x Height	80 x 87 mm
Power frequency	50-60 Hz
Weight	Furnace 22 / Pump 7.5 kg
Dimensions (W x H x D)	380 x 653 x 338 mm

Ceramic furnaces and accessories

Ceramic furnace Austromat® 624

200 firing programs are available for customized programming.

Management of the firing program is very comfortable and clear using the integrated program manager. The entire firing procedure with firing number, program name and estimated time remaining is displayed on the large, scratch-resistant, colored touch screen in graph or table form. The automatic self-test ensures a perfect firing cycle and maximum reliability. The preset heating up, hold or cooling phases in the standard mode are freely programmable in the professional mode.

Advantages:

- menu control including temper and cooling phases
- AutoDry®: Simulates object temperature measurement and automatically regulates the distance from the firing chamber with the stepless, vibration-free lift for precise drying and cooling phases
- set-up function for individual user adaption
- USB interface for easy data transfer, software update or operation via a computer mouse
- Software options for function extension (optional)

Contents of delivery:

- Ceramic furnace Austromat® 624
- Firing platform
- Silver sample set
- Vacuum pump (REF 095-230-50)
- Tweezers
- Unit cable

Technical data

Holding time with/without vacuum	0-99:59 min
Start/Preheating temperature	100-700 °C / 212-1292 °F
Final/Firing temperature	100-1200 °C / 212-2192 °F
Programs	200 individually programmable
Dimensions oven chamber ø x Height	52 x 65 mm
Power frequency	50-60 Hz
Weight	Furnace 17.5 / Pump 7.5 kg
Dimensions (W x H x D)	380 x 653 x 338 mm



Power voltage	REF	Quantity
230 V~	095-240-00	1 piece



Equipment

Ceramic furnaces and accessories



Firing tray with holders

REF 260-300-03

1 piece



Holders for firing tray

REF 260-300-13

6 pieces



Carbon fibre chips

• for purge of ceramic furnaces

REF 260-317-00

10 pieces

Electric wax knife

Thermomat

Electric wax knife with transformer.

Included:

Handpiece with 1 wax knife (REF 089-602-00)



Power voltage	REF	Quantity
230 V~	089-620-00	1 piece
115 V~	089-611-00	1 piece

Technical data

max. Temperature	280 °C / 536 °F, adjustable
Cable length	95 cm
Power frequency	50 Hz

Holder for wax knife

Material: Silicone

REF 089-615-00	1 piece
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Electric wax knife

Modeling tips for the Thermomat



Designation	REF	Quantity
Wax knife, small	089-602-00	1 piece
Wax knife, large	089-605-00	1 piece
Model tip, fine	089-603-00	1 piece
Model 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. Separately controlled motor switches with 450 W capacity. Individually controlled water pressure by a magnetic water valve. Work area with squaring and angulation devices.



Power voltage	REF	Quantity
230 V~	091-100-00	1 piece

Technical data

Output	2 x 450 W
Turning rotations	1400 min ⁻¹
Power frequency	50/60 Hz
Weight	39 kg
Dimensions (W x H x D)	530 x 400 x 385 mm

Corundum disc

For Dentaaurum 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

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

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

REF 091-105-00	1 piece
----------------	---------



Preheating oven and accessories



Protherm – Preheating oven with circulating air

- LCD display
- modern keypad
- microprocessor program control
- 4 heating stages
- 98 different preheating programs
- luminous display of all data
- timer function, automatic switch-on time with casting time selection
- digital display in German, English, French and Italian
- PtRh-Pt-thermocouple
- body of corrosion resistant metal, ceramic insulation
- connection for catalyst and fume extractor, noise suppressor, VDE standard

Power voltage	REF	Quantity
230 V~	096-180-00	1 piece

Technical data

Output	2300 / 2600 W (Rotating air system)
Muffle capacity (muffle ø 80 mm)	6
Dimensions oven chamber (W x H x D)	200 x 110 x 250 mm
required distance when exhaust unit is installed	170 mm
max. Temperature	1100 °C / 2012 °F
Programs	98
Temperature stages	4
Power frequency	50 Hz
Weight	80 kg
Dimensions (W x H x D)	480 x 580 x 590 mm

Preheating oven and accessories

Exhausting unit

Prevents damage to heating elements by extracting combustible gases from furnace. Suitable for all Dentaureum furnaces.



Power voltage	REF	Quantity
230 V~	096-015-00	1 piece

Technical data

Output	28 W
Suction capacity	80 m ³ /h
Power frequency	50 Hz

Catalyst for fan-assisted preheating furnaces

For venting the furnace chamber followed by catalytic post-combustion of furnace exhaust gases (wax fumes etc.).

- organic components are converted into carbon dioxide and water vapor
- great reduction of odor pollution during preheating
- ideal during use of speed investments and with large laboratory furnaces
- suitable for all Dentaureum fan-assisted preheating furnaces
REF 096-120-00/096-150-00/096-160-00/096-180-00

REF 096-030-50	1 piece
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Technical data

Power voltage	230 V~
Power	650 W
Suction pipe ø	34 mm
Exhaust pip ø	150 mm
Air volume	300 m ³ /h
Weight	4.9 kg
Dimensions (H x D)	390 x 170 mm

Pressure vessel and suction unit



Polyclav®

Pressure vessel for polymerising cold-curing resins such as Orthocryl®. With safety valve. **Pressure hose not included.**

Capacity	REF	Quantity
4 l	070-000-00	1 piece



Heating plate

For Polyclav® (REF 070-000-00).

REF 070-900-00	1 piece
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Technical data

Output	125 W
Power voltage	230 V~
Thermostat for water temperature	43 °C / 109.4 °F
Power frequency	50 Hz
Weight	2.6 kg
Dimensions (W x H x D)	240 x 240 x 75 mm



Pressure hose

For Polyclav® (REF 070-000-00).

Length: 2 m

With plug nipple to fit inlet valve and standard connection for compressed air sockets.

REF 070-700-00	1 piece
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Suction apparatus with charcoal filter

For protection against vapour 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 072-001-30) 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 x 260 x 260 mm

Mini-Torch

Ignition and flame adjustment is easy and uncomplicated (automatic, with a flick of your finger). Refill as easy as filling a lighter. Adjustable nozzle. **GS certified.**

Technical data

max. Temperature	1300 °C / 2372 °F
Filling quantity	65 ml
Weight	280 g

REF 097-400-01

1 piece



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



The implant system.

Evaluated on the base of experience.



- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■
- Titanium ■
- Finishing ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■
- Pliers | Instruments ■
- Equipment ■
- Implantology ■**
- Knowledge ■
- Courses ■
- Service ■

tiologic®

The implant system.
Evaluated on the base of experience.



Prosthetic components.

Prosthetic components of a modern implant system should provide the dental technician with the ideal combination of aesthetics, customizability, clear organization and easy handling. This not only involves having an optimum selection of prosthetic components in different materials for all indications but also efficient component flexibility.

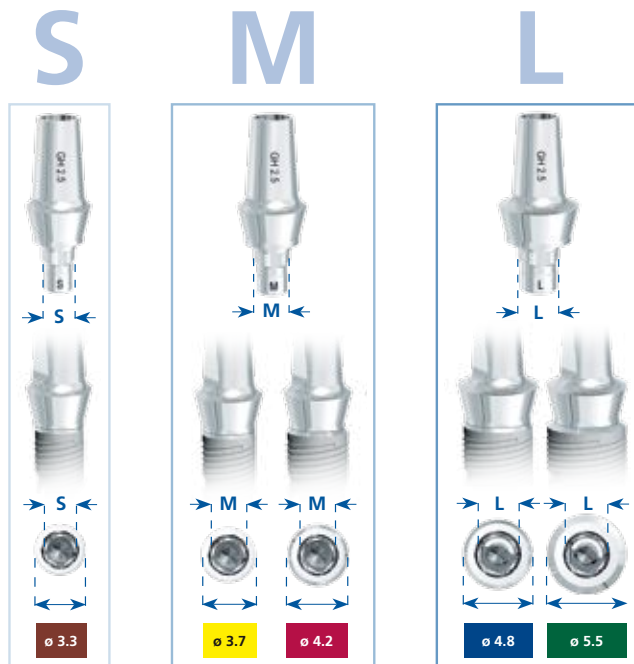


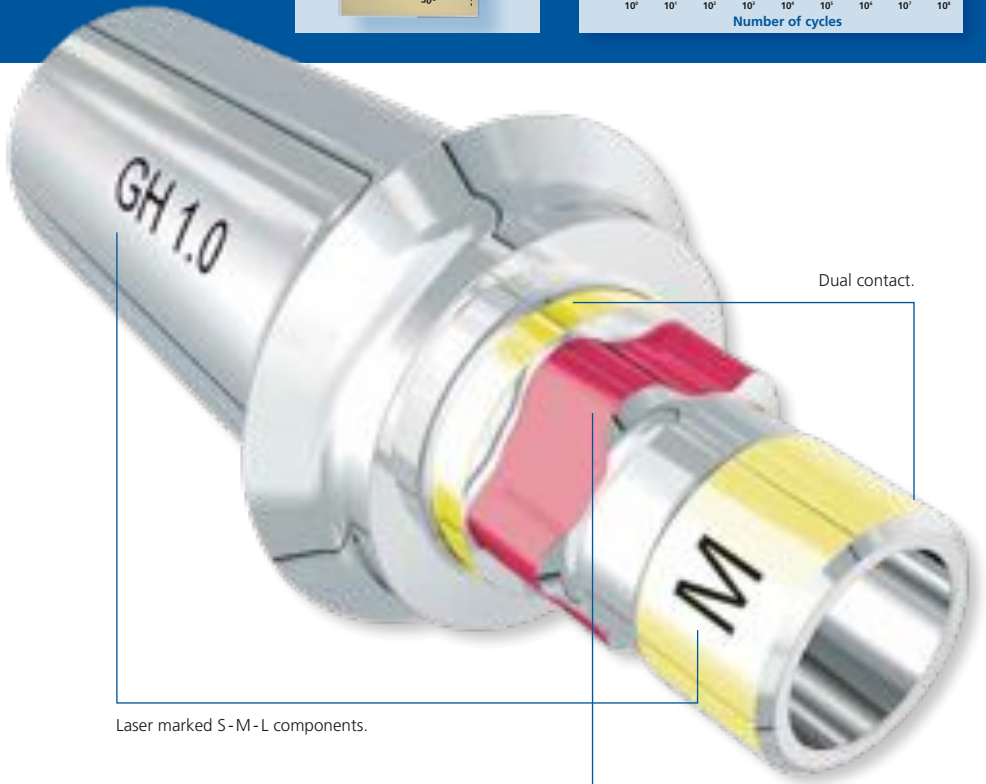
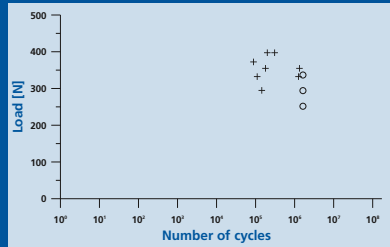
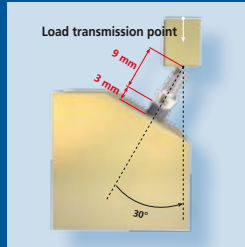
The S-M-L concept.

5 implant diameters.

5 lengths. 3 series of abutments.

The optimal grading of implant diameters and lengths ensures that the appropriate implant is used for the indication. Components of the 3 series of abutments are made of plastic (temporarys), zirconia, titanium and precious metal and include CAD/CAM, bars, ball abutment, AngleFix, SFI-Bar®, LOCATOR® and magnets. The construction components S are used for the implant diameter 3.3 mm, the construction components M for the implant diameters 3.7 mm and 4.2 mm and the construction components L for the implant diameters 4.8 mm and 5.5 mm. For exact identification all components are marked with S, M or L by laser.





Laser marked S-M-L components.

Round PentaStop® rotational security.

Dual contact.

The dual contact of the system components in the tioLogic® implant guarantees high positional stability and excellent torsional and flexural stability. The high stability and the excellent fit of the system components are optimal features for ensuring customized, aesthetically perfect restorations and long-term implant success.

Round PentaStop® rotational security.

The five internal PentaStop® rotational security stops provide an optimum combination of maximum rotational security and outstanding flexibility when positioning the system components.

Laser marked S-M-L components.

All components, ranging from closure screw, gingiva former to the impression and the prosthetic components, include the S-M-L laser marking to allow allocation to the respective implant platform.

The titanium abutments are marked with the gingiva height by laser above the preparation border.



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Knowledge.

Knowledge – the key to success.



- Ceramics ■
- Crowns and bridges ■
- Cast partial denture ■
- Titanium ■
- Finishing ■
- Prosthetics ■
- Wires | Clasps ■
- Expansion screws ■
- Orthodontic acrylics ■
- Pliers | Instruments ■
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- Implantology ■
- Knowledge ■**
- Courses ■
- Service ■

remanium® kompendium.

Compiled by dental technicians for dental technicians.

www.remanium-kompendium.de



Both the apprentice and experienced dental technician will find a wealth of valuable information on important aspects in the fabrication of non-precious metal restorations in the three-part remanium® kompendium series. The individual chapters of the remanium® kompendium complement one another but are nevertheless self-contained. Practical working stages are photo documented with the focus always on the picture statement. A brief description with highlighted advice and tips ensure a very appealing and useful reference book.

Order now – ordering information:

Chapter 1: Crowns and bridges	REF 989-874-20
Chapter 2: Cast Partial Dentures	REF 989-875-20
Chapter 3: Milling-technique made of remanium® alloys	REF 989-474-20
CD-ROM remanium® kompendium, Chapter 1	REF 989-874-00



Chapter 1: Crowns and bridges.

The first part of the remanium® kompendium describes the fabrication of crowns and bridges with particular reference to the different processing technique in comparison to precious metal alloys. The numerous photographs illustrate the individual working stages for the reader including fabrication of a bridge framework, build-up of the ceramic and polishing of a full metal crown.

- Comprehensive training and practical manual.
- Tips and advice on technique.
- More than 200 photographs.
- 73 pages.
- Format: 15 x 22 cm

Chapter 2: Cast Partial Dentures.

The second part of the compendium 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.

- Comprehensive training and practical manual.
- Tips and advice on technique.
- More than 320 photographs.
- 114 pages.
- Format: 15 x 22 cm

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.

- Comprehensive training and practical manual.
- Tips and advice on technique.
- More than 310 photographs.
- 138 pages.
- Format: 15 x 22 cm

Orthocryl® live.

Experience the diversity of orthodontic appliances.



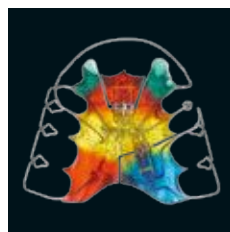
The orthodontic laboratory technique requires exceptionally skilful craftsmanship. Using the Orthocryl® CD-ROM it is possible to gain an insight quickly into this specialist field. A particular feature of the CD-ROM is its media library with 17 video clips and 3 photo galleries. Each working stage is presented in film sequences from the bending technique to polishing a maxillary appliance.

- 15 video clips on the fabrication of orthodontic appliances.
- 2 video clips on the fabrication of bite-raising appliances.
- 3 photo galleries on the bending technique.
- More than 33 minutes of film in top TV quality.
- Animations of expansion screw movement.
- Comprehensive information about the Orthocryl® system.
- Multilingual in 9 languages.

Order now – ordering information:

Orthocryl® live

REF 989-944-80





More than 250 million orthodontic appliances.

For almost 50 years the most diverse orthodontic appliances have been fabricated using this acrylic system. To date more than 250 million appliances worldwide have been fabricated using Orthocryl®. The rise in popularity of one of the most successful orthodontic acrylic systems started with the introduction of the powder-liquid technique.





The unique reference for removable appliances.

www.o-atlas.de

The o-atlas presents the entire spectrum of current removable appliance techniques. Less commonly used techniques are also included, making the o-atlas a comprehensive reference work. With numerous illustrations and individual diagrams combined with clear, relevant text the o-atlas is an indispensable reference work for anyone who wants to optimize treatment outcomes.

- More than 750 photographs.
- Comprehensive reference work for the removable technique.
- 297 pages.
- Format: 22 x 30 cm

Order now – ordering information:

Book – German	REF 903-920-10
Book – English	REF 903-920-20
Book – Spanish	REF 903-920-40







Courses.

Knowledge connects.

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- Implantology ■
- Knowledge ■
- Courses** ■
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High quality training courses in a modern environment.



Recognized lecturers.

Our lecturers have time for you! Small groups and a highly motivated and competent team of lecturers guarantee that the course can be adapted to suit your requirements.

Further education as an event.

The CDC – Centrum Dentale Kommunikation – in Ispringen is more than just a venue – modern furnishing, learning in a relaxed environment and corresponding ambiance turn your course into an event.





Convincing quality.

On 6th April 1999, the CDC was the first training center to be successfully certified and in December 1999 it was additionally commented as “highly recommended” by the magazine teamwork. But at the end of the day it is your opinion that counts: an average grade of 1.25 proves that our courses are highly appreciated.

Long term course experience.

The CDC, established in 1996, stands for long term experience in organising and holding professional trainings and events. The training program has increased from an initial 30 to over 100 different courses, including local trainings. Increasing numbers of attendees and the assurance that our participants “will return”, show we are moving in the right direction.

Courses and events from the Dentaaurum Group – online – it can't get any faster.

The quickest source of information is of course the internet. All available courses are listed on the Dentaaurum homepage and you can apply online. It's always worth taking a look at our homepage – apart from our standard courses you can also find information on special events and further courses on offer. Get yourself updated as easy as this.

 www.dentaaurum.de

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Dentaurum Service.

Added value – advice and support.



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List of materials

1. Stainless steel

Composition in weight %

Identification-No.	Material		C	Si	Mn	Cr	Mo	Ni	P	S	Others	Fe
	Name	Number (DIN, AISI)*										
1.000	Stainless steel	1.4301	≤ 0.07	≤ 1.0	≤ 2.0	17.0-19.5	–	8.0-10.5	≤ 0.045	≤ 0.03	N ≤ 0.11	Rest
1.001	Stainless steel	1.4303	≤ 0.06	≤ 1.0	≤ 2.0	17.0-19.0	–	11.0-13.0	≤ 0.045	≤ 0.03	N ≤ 0.11	Rest
1.002	Stainless steel	1.4305	≤ 0.10	≤ 1.0	≤ 2.0	17.0-19.0	–	8.0-10.0	≤ 0.045	0.15-0.35	N ≤ 0.11/ Cu ≤ 1.0	Rest
1.003	Stainless steel (remanium®)	1.4310	0.05-0.15	≤ 2.0	≤ 2.0	16.0-19.0	≤ 0.8	6.0-9.5	≤ 0.045	≤ 0.015	N ≤ 0.11	Rest
1.004	Stainless steel	1.4401	≤ 0.07	≤ 1.0	≤ 2.0	16.5-18.5	2.0-2.5	10.0-13.0	≤ 0.045	≤ 0.03	N ≤ 0.11	Rest
1.005	Stainless steel	1.4404	≤ 0.03	≤ 1.0	≤ 2.0	16.5-18.5	2.0-2.5	10.0-13.0	≤ 0.045	≤ 0.03	N ≤ 0.11	Rest
1.006	Stainless steel (Noninum®)	1.4456	≤ 0.1	≤ 1.0	16.0-20.0	16.0-20.0	1.8-2.5	≤ 0.2	≤ 0.05	≤ 0.05	V ≤ 0.2 Nb 0.7-1.0	Rest
1.007	Stainless steel	1.4460	≤ 0.05	≤ 1.0	≤ 2.0	25.0-28.0	1.3-2.0	4.5-6.5	≤ 0.035	≤ 0.3	N 0.05-0.20	Rest
1.008	Stainless steel	1.4541	≤ 0.08	≤ 1.0	≤ 2.0	17.0-19.0	–	9.0-12.0	≤ 0.045	≤ 0.3	Ti 5xC to 0.7	Rest
1.009	Stainless steel	1.4542	≤ 0.07	≤ 0.7	≤ 1.5	15.0-17.0	≤ 0.6	3.0-5.0	≤ 0.040	≤ 0.03	Cu 3.0-5.0 Nb 5xC to 0.45	Rest
1.010	Stainless steel	1.4435	≤ 0.03	≤ 1.0	≤ 2.0	17.0-19.0	2.5-3.0	12.5-15.0	≤ 0.045	≤ 0.025	N ≤ 0.11	Rest
1.011	Stainless steel	AISI 302	≤ 0.15	≤ 1.0	≤ 2.0	17.0-19.0	–	8.0-10.0	≤ 0.045	≤ 0.03	–	Rest
1.012	Stainless steel (dentaflex®)	AISI 302 B	≤ 0.15	2.0-3.0	≤ 2.0	17.0-19.0	–	8.0-10.0	≤ 0.045	≤ 0.03	–	Rest
1.013	Stainless steel (remanium®)	AISI 304	≤ 0.08	≤ 1.0	≤ 2.0	18.0-20.0	–	8.0-10.5	≤ 0.045	≤ 0.03	–	Rest

*Note: Stainless steel with foreign standards which correspond to the DIN material numbers are also acceptable.

2. Copper and precious metal alloys

Composition in weight %

Identification-No.	Material		Ag	Cu	Ni	Pb	Zn	Fe	Mn	Sn	Sb	Al	Others
	Name	Number (DIN)*											
2.000	Argentan	2.0770	–	45-48	9-11	0.5-2.0	38-45	≤ 0.05	≤ 0.5	≤ 0.3	–	–	≤ 0.1
2.001	Argentan	2.0780	–	56-58	11-13	0.3-1.5	26-33	≤ 0.05	≤ 0.5	≤ 0.3	–	–	≤ 0.1
2.002	Argentan	2.0790	–	59-63	17-19	0.3-1.5	Rest	≤ 0.03	≤ 0.7	–	–	–	≤ 0.4
2.100	Brass	2.0321	–	62.0-65.5	≤ 0.3	≤ 0.1	Rest	≤ 0.01	≤ 0.1	≤ 0.1	≤ 0.1	–	–
2.101	Brass	2.0360	–	59.0-62.0	≤ 0.3	≤ 0.1	Rest	≤ 0.01	≤ 0.1	≤ 0.1	≤ 0.1	–	–
2.200	Silver filler	2.5153 L-Ag75	74-76	Rest	–	≤ 0.02	2.0-4.0	–	–	–	–	≤ 0.005	≤ 0.1
2.201	Silver filler	2.5147 L-Ag44	43-45	29-31	–	≤ 0.02	Rest	–	–	–	–	≤ 0.005	≤ 0.1
2.202	Silver filler	2.5159 L-Ag55Sn	54-57	21-23	–	≤ 0.02	Rest	–	–	2.0-5.0	–	≤ 0.005	≤ 0.1
2.203	Silver filler	2.5151 L-Ag72	71-73	Rest	–	≤ 0.02	–	–	–	–	–	≤ 0.005	≤ 0.1
2.204	Silver filler	–	43-46	18-22	–	–	6-10	–	–	2.0-6.0	–	–	≤ 0.3
2.205	Silver filler	–	57-61	15-18	–	–	Rest	–	–	–	–	–	≤ 0.3
2.300	Gold filler	–	38.5-39.5	Rest	–	–	–	–	–	–	–	–	Au 33.0
2.301	Au-Pt-alloy	–	16-17	8-10	–	–	–	–	–	–	–	–	Au 60-62 Pt 13-14

3. Non precious metal alloys

Composition in weight %

Identification-No.	Material		Ni	Fe	Mn	Cr	Mo	W	Ti	Si	C	Co	Al	S	O	H	N	Others
	Name	Number (DIN)*																
3.000	CoCr alloys (remaloy*)	–	19-23	4-6	≤ 1.0	18-22	3-5	3-5	0.1-2.0	≤ 0.5	≤ 0.03	Rest	–	≤ 0.1	–	–	–	–
3.001	CoCr alloys (Elgiloy®)	–	14-16	Rest	1.0-3.0	19-21	6-8	–	–	–	≤ 0.3	38-42	–	–	–	–	–	Be 0.01-0.09
3.002	CoCr alloys	–	–	27-31	≤ 1.0	28-32	4-6	–	–	≤ 0.1	≤ 0.35	31-35	–	–	–	–	–	–
3.003	CoCr alloys (topic, Ortho-Cast™ NF)	–	≤ 0.1	–	≤ 0.3	28-32	4-6	–	–	≤ 1.0	≤ 1.0	Rest	–	–	–	–	≤ 0.3	–
3.100	Titanium	3.7025	–	≤ 0.15	–	–	–	–	Rest	–	≤ 0.06	–	–	–	≤ 0.12	≤ 0.013	≤ 0.05	–
3.101	Titanium	3.7065	–	≤ 0.3	–	–	–	–	Rest	–	≤ 0.06	–	–	–	≤ 0.35	≤ 0.013	≤ 0.05	–
3.102	TiAl6V4	3.7165	–	≤ 0.3	–	–	–	–	Rest	–	≤ 0.08	–	5.5-6.75	–	≤ 0.2	≤ 0.025	≤ 0.05	V 3.5-4.5
3.103	TiMo alloy (rematitan® Special)	–	–	–	–	–	11.5	–	78	–	–	–	–	–	–	–	–	Zr ≤ 6 Sn ≤ 4.5
3.104	Titanium (equilibrium* ti)	3.7035	–	≤ 0.2	–	–	–	–	Rest	–	≤ 0.06	–	–	–	≤ 0.18	≤ 0.013	≤ 0.05	–
3.200	NiTi alloy (rematitan® LITE (Tensic®) (Equire)	–	50-60	≤ 0.5	–	–	–	–	Rest	–	≤ 0.1	–	≤ 0.1	–	≤ 0.1	≤ 0.01	≤ 0.01	–
3.201	NiTiCu alloys	–	50-60	≤ 0.5	–	–	–	–	Rest	–	≤ 0.1	–	≤ 0.1	–	≤ 0.1	≤ 0.017	≤ 0.01	Cu < 1.0

4. Plastics

Identification-No.	Material	
	Name	Symbol (DIN)*
4.000	Epoxide	EP
4.001	Polyamide	PA
4.002	Polycarbonate	PC
4.003	High-density polyethylene	PE-HD
4.004	Low-density polyethylene	PE-LD
4.005	Polymethylmethacrylate	PMMA
4.006	Polypropylene	PP
4.007	Polystyrene	PS
4.008	Polytetrafluorethylene	PTFE
4.009	Polyurethane	PUR
4.010	Polyvinylchloride	PVC
4.011	Polyvinylsiloxane	
4.100	Acrylonitrile butadiene styrene	ABS
4.101	Ethylene vinylacetate	EVA
4.200	Synthetic isoprene rubber	IR
4.201	Natural rubber	NR
4.202	Silicone rubber	Q
4.203	Silicone	SI

5. Ceramic materials

Composition in weight %

Identification-No.	Material		Al ₂ O ₃	ZnO	MgO	Others
	Name	Number (DIN)*				
5.000	Aluminium oxide	–	99.99	–	–	≤ 0,01
5.001	Band cement	–	–	80-86	6-10	≤ 10

Alloy elements

Ag	silver	Ni	nickel
Al	aluminium	O	oxygen
Au	gold	P	phosphorus
Be	beryllium	Pb	lead
C	carbon	Pt	platinum
Cr	chromium	S	sulphur
Cu	copper	Sb	antimony
Co	cobalt	Si	silicon
Fe	iron	Sn	tin
H	hydrogen	Ti	titanium
Mn	manganese	V	vanadium
Mo	molybdenum	W	tungsten
N	nitrogen	Zn	zinc
Nb	niobium	Zr	zirconia

Note:

The materials listed in tables 1 – 4 enable easy identification of chemical compositions. The „Identification No.“ stated in these columns are numbers based upon an agreement by German manufacturers of orthodontic products. Not all the listed materials are used by Dentaform.

Conversion charts

Note:

- ∅ round
- ▭ rectangular

In addition to the metric measurements provided, the wires, brackets and buccal tubes are also available with an additional description in inches (DIN EN ISO 15841) e.g. 17 x 25 = .017 "x .025"

1 mm = 0.0394 inch
1 cm = 10 mm = 0.3937 inch
1 m = 1000 mm = 1.0936 yards
1 km = 0.6214 miles
1 inch = 25.40 mm
1 foot = 12 inches = 30.48 cm
1 yard = 3 feet = 91.44 cm
1 mile = 1760 yards = 1.6093 km

1 mg = 0.0154 grain
1 g = 1000 mg = 0.0353 oz
1 kg = 1000 g = 2.2046 lb
1 ounce = 28.35 g
1 pound = 16 ounces = 0.4536 kg

1 MPa = 1 N/mm ²
1 N/mm ² = 145.14 p. s. i.
1 p. s. i. = 0.00689 N/mm ²

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

FDI-System																
18	17	16	15	14	13	12	11	21	22	23	24	25	26	27	28	
R	8	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8
	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	∅ inch	Wire 1 kg	mm	∅ inch	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*			

*Not responsible for 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
Strength of the electric current	Ampere	A
Thermodynamic temperature	Kelvin	K
Luminous intensity	Candela	cd
Substance quantity	Mol	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

Symbols and pictograms

	Order number		Matrix code
	Use by... (Best before date)		Green dot
	Batch description		Wear a dust mask. Avoid inhalation of dust.
	CE Mark MP Class I		Wear protective goggles
	CE Mark MP Class II		Certificate of compliance of the EU guidelines on packaging
	Radiation sterilized		Xn / Harmful to health Xi / Irritant
	Ethylene oxide sterilized		F / Flammable F+ / Highly, very flammable
	Non-sterile		T / Poisonous, toxic
	Refer to instructions for use		C / Corrosive
	Instructions for use available in the internet		N / dangerous for the environment
	Refer to information	Rx only	Only to be used by trained, skilled personnel
	Not for reuse	T_G	Transformation temperature
	Protect from sunlight	α	Symbol for coefficient of thermal expansion (CTE)
	Protect against frost		Number of revolutions per minute
	Prescribed storage temperature		Product contains latex
	Codablock barcode		

Example

Product description, e.g. Orthocryl®

Product description, detailed information e.g. methyl methacrylate

Order number

Quantity

Best before date

Pictograms and symbols


DENTALPRODUKT / DENTAL PRODUCT
Anwendung nur durch Fachpersonal / for professional use only

Artikelbezeichnung
Artikelbeschreibung

LOT 12345

REF 000-000-00

1 Stück

 2012-05

D
DENTALURUM
Turnstraße 31 · 75228 Ispringen · Germany · Telefon +49 72 31/8 03-0

*J0119999900003SampleOnly

LOT number

Matrix code

Codablock barcode

Instructions for the maintenance of pliers and instruments

Instructions for the maintenance of pliers and instruments

These instructions apply to all Dentaurum pliers, instruments and rotary instruments that are approved for use on patients. These instructions comply with the requirements of EN ISO 17664:2004 and RKI (Robert-Koch Institute) guidelines.

General requirements

Pliers and instruments must be cleaned, disinfected and if necessary, sterilized before each use. This also applies to initial use following delivery. Pliers and instruments are normally delivered non-sterile (clean and disinfect following removal of the protective transport packaging; sterilize after packing). Efficient cleaning and disinfecting is essential for effective sterilization. This includes rotary instruments (drills), hereafter referred to as instruments.

During use ensure that contaminated instruments are collected separately and not replaced in the instrument tray to avoid greater contamination of the loaded instrument tray. Clean/disinfect the contaminated instruments. Then replace them in the instrument tray and sterilize the fully loaded instrument tray if necessary.

Manual pre-cleaning



Surface contamination must be removed from pliers and instruments immediately after use, at least within one hour. Rinse pliers and instruments under running water and immerse in a disinfectant solution. Use only a soft brush (nylon brush) or a clean soft cloth for manual removal of contamination. Do not use metal brushes or steel wool



Disinfectants should be aldehyde-free (otherwise fixation of blood residue), have a certified effectiveness (e.g. DGHM [German Society for Hygiene and Microbiology] or FDA approval and CE marking), be suitable for disinfecting instruments and compatible with the instruments

Automatic cleaning/disinfecting



When using a disinfectant, make sure:

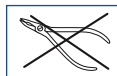
- that the disinfectant has a certified effectiveness (e.g. DGHM or FDA approval and CE marking according to EN ISO 15883),
- that if possible a certified program for thermal disinfection (min. 10 min at 93 °C/199 °F or A₃ value > 3000) is used (with chemical disinfection there is the risk of disinfectant residue, being left on the instruments),
- that only sterile or low-germ (max. 10 germs/ml) or low-endotoxin (max. 0.25 endotoxin units/ml) water (e.g. purified water/highly purified water) is used,
- that filtered air is used for drying

When choosing a cleaning agent system, make sure:

- that the agent is basically suitable for cleaning metal and plastic instruments,
- that – if thermal disinfection is not used – a suitable disinfectant with a certified effectiveness (e.g. DGHM or FDA approval and CE marking) is used in addition and that it is compatible with the cleaning agent,
- that the chemicals used are compatible with the instruments (see section “Material resistance”).

Adhere to the concentrations given by the manufacturer of the cleaning agent and disinfectant.

Instructions for the maintenance of pliers and instruments



Procedure

- ❶ Disassemble the pliers and instruments as much as possible.
- ❷ Place the disassembled, half-opened (hand-width) pliers and instruments in the disinfectant. Pliers and instruments should not come into contact.
- ❸ Start the program.
- ❹ Remove the pliers and instruments from the disinfectant at the end of the program.
- ❺ Check and pack the instruments, immediately after removal if possible.
- ❻ **If the disinfectant does not have an automatic drying program, leave the door of the unit slightly open to dry the instruments.**



Proof of basic suitability for effective automatic cleaning and disinfecting was provided by an independent, accredited test laboratory using a G 7836 GD disinfectant (thermal disinfection, Miele & Cie. GmbH & Co., Gütersloh, Germany) and neodisher® Medizym cleaning agent (Dr. Weigert GmbH & Co. KG, Hamburg, Germany). The procedure described above has been incorporated in the tests.

Manual cleaning and disinfecting

Observe the following points when choosing a cleaning agent and disinfectant:

- metal and/or plastic instruments must be suitable for cleaning and disinfecting
- the cleaning agent must be suitable for ultrasonic cleaning
- use only disinfectants with certified effectiveness (e.g. DGHM or FDA approval and CE marking). Disinfectants should be compatible with the cleaning agent used

Do not use combined cleaning/disinfecting agents if possible. Combined cleaning/disinfecting agents can only be used if there is minimal contamination (no visible contamination).

Adhere strictly to the concentrations and reaction time given by the manufacturer of the cleaning agent and disinfectant. Use only freshly mixed solutions, only sterile or low-germ (max. 10 germs/ml) as well as low-endotoxin (max. 0.25 endotoxin units/ml) water (e.g. purified water/highly purified water) and only filtered air for drying.

Cleaning procedure

- ❶ Disassemble the pliers and instruments as much as possible.
- ❷ Place the disassembled pliers and half-opened pliers (hand-width) and instruments into the cleaning solution for the prescribed reaction time; ensure that the pliers and instruments are adequately covered. Pliers and instruments should not come into contact. Rinse all hollow sections in the instruments using a single-use syringe (minimum volume 5 ml) before and after the reaction time. Special holders, e.g. bur blocks should be used if necessary.
- ❸ Remove the pliers and instruments from the cleaning solution and rinse thoroughly with water.
- ❹ **Check that the pliers and instruments have been properly cleaned.**



Disinfection procedure

- ❶ Place the disassembled pliers and instruments in the disinfectant solution according to the prescribed reaction time. Ensure that the pliers and instruments are covered and are not in contact. Rinse all hollow sections in the instruments using a single-use syringe (minimum volume 5 ml) before and after the reaction time.
- ❷ Remove the pliers and instruments from the disinfectant solution and rinse thoroughly at least three times with water.
- ❸ Do not pack the pliers and instruments until they are dry. Pack the dry pliers and instruments immediately.

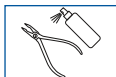
Proof of basic suitability for effective manual cleaning and disinfecting was provided by an independent, accredited test laboratory using Bodedex® forte cleaning agent and Korsorex® Plus disinfectant (Bode Chemie, Hamburg, Germany). The procedure described above has been incorporated in the tests.

Instructions for the maintenance of pliers and instruments

Checking

Check all pliers and instruments after cleaning or cleaning/disinfecting for corrosion, damaged surfaces, chipped areas or contamination and separate damaged pliers and instruments. Pliers and instruments that are still contaminated must be cleaned and disinfected again.

Pliers and instrument care



Instrument oil should not be used if possible. If it has to be used, however, ensure that only instrument oils (white oil) that are approved for steam sterilization and have certified biocompatibility are used – taking into account the maximum sterilization temperature.

Following drying and before sterilization, plier jaws, locks, sliding surfaces for springs and other critical surfaces must be conditioned with medical white oil, which is steam permeable and temperature resistant. The protective oil for the extra-hard plier inserts reduces the risk of corrosion. We recommend Cleaning/Protective oil (white oil) for pliers and instruments (REF 055-201-00).

Packing

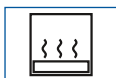


Pack the pliers and instruments or sterilization tray in a single-use sterilization pack (single or double packaging) and/or sterilization container, which comply with the following requirements:

- EN ISO/ANSI AAMI ISO 11607-1/2
- suitable for steam sterilization (temperature resistant to min. 134 °C/273 °F and adequate steam permeability)
- adequate protection of pliers and instruments and sterilization packaging against mechanical damage
- regular servicing according to manufacturer's instructions (sterilization container)

Sterilization

Only the following sterilization procedures should be used for sterilization. Other sterilization procedures are unsuitable. Flash sterilization is not permitted. Other procedures that should not be used are: hot-air sterilization, X-ray sterilization, formaldehyde or ethylene oxide sterilization or plasma sterilization.



Steam sterilization

- fractional vacuum or gravitation process* (with adequate product drying)
- steam sterilizer according to EN 13060-2004 and EN 285
- validated (valid commissioning and product-specific performance evaluation) in accordance with EN ISO/ANSI AAMI ISO 17665
- maximum sterilization temperature 134 °C/273 °F; (plus tolerance according to EN ISO/ANSI AAMI ISO 17665)
- sterilization time (exposure time at the sterilization temperature) min. 5 minutes at 134 °C/273 °F

Proof of basic suitability for effective steam sterilization was provided by an independent, accredited test laboratory using a EuroSelectomat steam sterilizer (MMM Münchener Medizin Mechanik GmbH, Planegg, Germany) and the vacuum process as well as a Systec V-150 steam sterilizer (Systec GmbH Labor-Systemtechnik, Wettenberg, Germany) and the gravitation process. The procedure described above has been incorporated in the tests.

* Use of the less effective gravitation process is only permitted if a fractional vacuum process is not available.

Instructions for the maintenance of pliers and instruments

Storage



Following sterilization, pliers and instruments should be stored dry and dust-free in the sterilization packaging.

Material resistance

When choosing the cleaning agent and disinfectant ensure that they do not contain the following components:

- organic, mineral or oxidising acids (maximum permitted pH 9.5, neutral/enzymatic cleaner recommended)
- strong alkali solutions
- organic solvents (e.g. alcohols, ethers, ketones, benzines)
- oxidation agents (e.g. hydrogen peroxides)
- halogens (chlorine, iodine, bromine)
- aromatic/halogenated hydrocarbons
- salts of heavy metals

Never clean pliers and instruments, sterilisation trays and tomas® trays with metal brushes or steel wool and do not expose them to temperatures above 134 °C/ 273 °C!

Reusability

All rotary instruments can be reused up to 5 times. The operator bears responsibility for any further reuse or use of damaged and/ or contaminated rotary instruments.

Special instructions regarding Dentaorium pliers and instruments

Pliers:

- only condition in half-opened (hand-width) position (open and close several times when conditioning)
- clean
- disinfect
- apply oil to plier jaws, locks, sliding surfaces for springs and other critical areas of the pliers with the Cleaning/Protective oil (white oil) for pliers and instruments (REF 055-201-00) and then pack and sterilize

Note:

The protective oil for the extra-hard plier inserts reduces the risk of corrosion.

➡ Further information is available in the preparation instructions for pliers/instruments REF 989-590-20.

Environment.

Our contribution to nature.

The standard of living of future generations depends on how we maintain the natural environment. We believe that an active environmental policy makes a significant contribution to the improvement of our business position, as we do not consider business success at the cost of nature and the environment to be sustainable. We continuously monitor the effectiveness of our environmental policies and our environmental management system with regular internal and external audits. The company is certified under DIN EN ISO 14001 and EMAS III. Dentaurem has also been a member of the German work group for environmentally conscious management (B.A.U.M.) since 1995 and has received an award as an environmentally conscious company as a result of an ecological weak-point analysis. We issue regular announcements on our environmental activities and achievements in our environmental statements.





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