
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

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

CE 0483

Technical data

0.2% Yield strength $R_{p0.2}$	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 ingot	Weight casting ingot	REF	Quantity
14.3 mm	31 g	100-107-00	1000 g

CE 0483

Technical data	
0.2% Yield strength $R_{p0.2}$	600 MPa
Tensile strength R_m	680 MPa
Hardness	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	preheating with holding time, speed preheating
Preheating temperature	870–900 °C / 1598–1652 °F
Color	yellow

REF 107-654-00

7 kg (28 x 250 g)



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	preheating 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
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rematitan® Plus mixing liquid for crowns and bridges

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

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

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

For hardening rematitan® Plus investment models.

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

REF 167-305-00	1 l
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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	preheating with holding time, speed preheating
Preheating temperature	950 °C / 1742 °F
Compression resistance	9–10 MPa
Color	red

REF 107-620-00	20 kg (80 x 250 g)
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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
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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 Dentaureum 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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**Casting ring, flexible, for the rematitan® investment system**

- can be reused
- the rings are dimensioned to fit over the casing bases

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

**Casting 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

**Casting 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®

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

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

Thickness x width	Length	REF	Quantity
1.0 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 (Titan hyrax® Maxi – 12).



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

CE 0483



rematitan® straight wire

Titanium grade 1

Norm: DIN 17850

For laser welding.

Recommended as reinforcing wire for fixed titanium RPE appliances (Titan 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

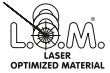
Titanium grade 1

Norm: DIN 17850

For laser welding.

ø rolled	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® bar

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 bar

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

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)

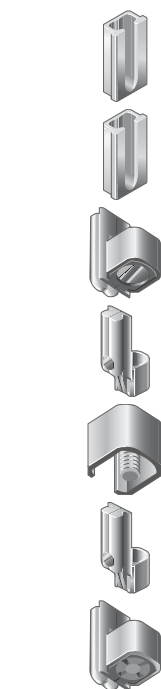
REF 090-520-00	1 piece
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Attachments and accessories

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® 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 criteria of the tools used.

Consists of:

- Supercut ST cutting disc, ø 40 mm (1 piece)
- Supercut STM cutting disc, ø 26 mm (2 pieces)
- TX cutting disc, 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, disc (4 pieces)
- Rubber polisher red, disc (4 pieces)
- Rubber polisher red, knife-edge (4 pieces)
- Rubber polisher red, cylindrical (4 pieces)
- Polishing brush, ø 21 mm (4 pieces)
- Polishing brush, ø 60 mm, Chungking bristles, 2 rows (1 piece)
- Pointed brush (1 piece)
- Tiger brilliant polishing paste (60 g)
- Mandrel for disc and knife-edge (6 pieces)
- Mandrel for cylinder (1 piece)
- Mandrel for emery cloth (1 piece)

Application: titanium

REF 135-500-00

1 set



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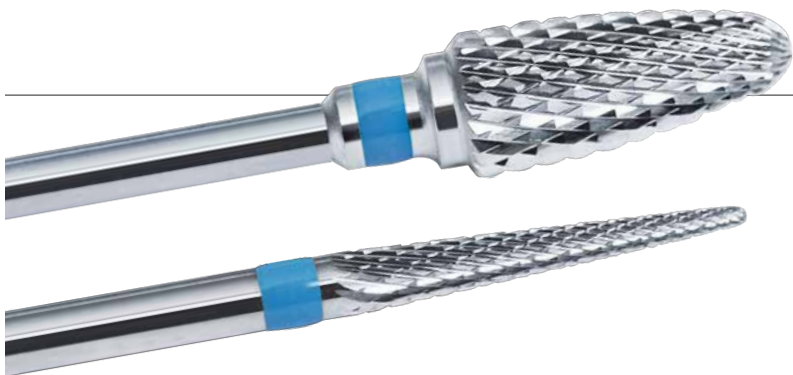
Finishing.

Well-coordinated product range.



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





The right cut all around.

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

Finishing and polishing made easy.

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



Supercut separating discs

Maximum cutting efficiency, minimal breakage risk.

Grinding points

Ceramic-bonded grinding points.

Super hard metal burs

Tungsten carbide, precision cut.

Diasint

Sintered diamond burs.

Rubber polisher

High abrasive performance from coarse to fine.

Polishing brushes

From linen to steel.

Polishing pastes

For quick high shine.

Separating and grinding discs

Supercut ST separating disc

- maximum cutting efficiency
 - minimal breakage risk
 - excellent strength
 - nylon reinforced quality
- Color: brown
Recommended speed: 15000 min⁻¹
Maximum speed: 35000 min⁻¹



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



Supercut separating disc for ceramics

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

Application: ceramics
Color: brown
Recommended speed: 15000 min⁻¹
Maximum speed: 35000 min⁻¹

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

Separating and grinding discs

Supercut STM separating disc

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

Color: brown

Recommended speed: 15000 min⁻¹Maximum 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⁻¹Maximum speed: 25000 min⁻¹

Thickness	ø	REF	Quantity
0.26 mm	22 mm	150-512-00	100 pieces

**TX-Flex separating disc**

- extremely thin
- maximum cutting efficiency

Application: CoCr alloys, ceramics, precious metal

Color: brown

Recommended speed: 15000 min⁻¹Maximum speed: 25000 min⁻¹

Thickness	ø	REF	Quantity
0.15 mm	22 mm	150-511-00	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 disc

- 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 wheel

- extremely rapid grinding action
- aluminum-oxide based, will not contaminate surfaces

Application: all metals, ceramics

Color: white

Recommended speed: 15000 min⁻¹

Maximum speed: 15000 min⁻¹

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

Pregrinding media

- for coarse grinding
- ceramic bonded corundum grinding points

Color: brown

Recommended speed: 15000 min⁻¹Maximum 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 point

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

Color: brown

Recommended speed: 30000–40000 min⁻¹Maximum speed: 60000 min⁻¹

ISO Number	Form	Hardness	Grain size	REF	Quantity
635.104.107.522.065	cylindrical	soft	coarse	132-201-00	100 pieces
635.104.107.522.050	cylindrical	soft	medium	132-202-00	100 pieces
635.104.173.522.035	conical, (truncated conical)	soft	medium	132-203-00	100 pieces
635.104.316.522.085	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
635.104.012.522.065	inverted conical	soft	coarse	132-206-00	100 pieces



Grinding points

Grinding point

- 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
625.104.107.523.065	cylindrical	medium	coarse	132-801-00	100 pieces
625.104.107.523.050	cylindrical	medium	coarse	132-802-00	100 pieces
625.104.173.523.035	conical, (truncated conical)	medium	medium	132-803-00	100 pieces
625.104.316.523.085	wheel, inverted conical and conical, proximal concave	medium	medium	132-804-00	100 pieces



Aloxin-Point

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

Application: non-precious ceramic bonding alloys, precious metal reduced ceramic bonding alloys

Color: violet

Maximum speed: 60000 min⁻¹



ISO Number	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 toothing 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 bur
with cross toothing 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 bur

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 bur

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 bur

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), ø 0.6 mm	123-600-00	1 piece
500.104.001.001.008	spherical (round), ø 0.8 mm	123-601-00	1 piece
500.104.001.001.023	spherical (round), ø 2.3 mm	123-602-00	1 piece

Hard metal bur**Application:** all alloys, very good with titanium (low pressing force)Maximum speed: 15000 min⁻¹

ISO Number	Size	Form	REF	Quantity
500.104.196.154.010	mini	conical, domed end	123-610-00	5 pieces
500.104.198.154.023	midi	conical, domed end	123-611-00	1 piece
500.104.263.154.040	maxi	bud, rounded, slender	123-612-00	1 piece
500.104.194.154.040	maxi plus	conical, domed end	123-613-00	1 piece

**Super hard metal bur****with cross toothing cut, coarse**

- high precision milled
- best cutting properties

Application: plaster, acrylicsRecommended speed: 15000–20000 min⁻¹Maximum 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 bur****with cross toothing cut, coarse**

- high precision milled
- best cutting properties

Application: plaster, acrylicsRecommended speed: 20000–25000 min⁻¹Maximum 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 bur

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

Bur 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)
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
knife-edge	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

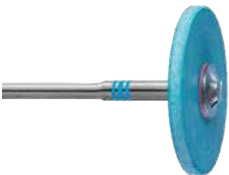


Diasint Zr fine
Diamond trimmer

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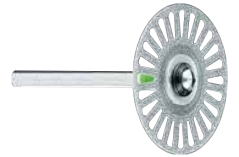
Contents:	
1 x Diasint Zr super	REF 137-841-00
1 x Diasint Zr medium	REF 137-842-00
1 x Diasint Zr fine	REF 137-843-00
1 x Diasint Zr soft	REF 137-844-00

Sintered diamond**Application:** ceramicsRecommended speed: 10000 min⁻¹Maximum speed: 20000 min⁻¹

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

**Diamond disc Highflex****Application:** ceramicsRecommended speed: 3000 min⁻¹Maximum speed: 5000 min⁻¹

ISO Number	Form	REF	Quantity
806.104.402.504.220	disc, very thin, perforated, circum- ference cutting from front and back	260-804-02	1 piece

**Diamond disc Dia-Miniflex****Application:** ceramicsRecommended speed: 5000 min⁻¹Maximum speed: 10000 min⁻¹

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



Mandrels

Mandrel

	Version	Maximum speed	REF	Quantity
	for disc and knife-edge	20000 min ⁻¹	139-300-00	10 pieces
	for cylinder	10000 min ⁻¹	139-100-00	10 pieces
	for separating disc	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	knife-edge	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	knife-edge	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	fine	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 Chungking bristles, for polishing machines.

Application: orthodontics, crowns and bridges, cast partial denture

Maximum speed: 6000 min⁻¹

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

**Polishing brush**

For polishing machines.

Application: orthodontics, crowns and bridges, plastic prosthetics, cast partial denture

Maximum speed: 2800 min⁻¹

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

**Polishing brush**

Combination Chungking bristles/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

Chungking 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 brush, 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



Brush for polishing

- Chungking 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, inner surface of 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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Tiger Diamond polishing paste

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

Application: all alloys, all metals, ceramics, acrylics

REF 190-302-00	50 g
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NEW



Finishing

Polishing tools and accessories



"Edelweiss" acrylic dry polishing paste

REF 190-100-00

80 g



"Edelweiss" acrylic polishing liquid

REF 190-200-00

1000 g



Bur stand magnetic holder

Partly plastic.

- permanent magnets ensure firm retention of the instruments
- magnet holder without instruments
- do not use disinfectants containing ethanol, phenol or alcohol

REF 089-430-00

1 piece



Bur stand

Material: plastic

- for 12 burs or abrasive stones.
- Bur stand without instruments
- shaft ø: 2.35 mm
- do not use disinfectants containing ethanol, phenol or alcohol

Color: transparent, clear

REF 089-431-00

1 piece



Crown Master forceps

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

REF 260-300-02

1 piece

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 criteria of the tools used.

Consists of:

- Supercut ST cutting disc, ø 40 mm (1 piece)
- Supercut STM cutting disc, ø 26 mm (2 pieces)
- TX cutting disc, 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, disc (4 pieces)
- Rubber polisher red, disc (4 pieces)
- Rubber polisher red, knife-edge (4 pieces)
- Rubber polisher red, cylindrical (4 pieces)
- Polishing brush, ø 21 mm (4 pieces)
- Polishing brush, ø 60 mm, Chungking bristles, 2 rows (1 piece)
- Pointed brush (1 piece)
- Tiger brilliant polishing paste (60 g)
- Mandrel for disc and knife-edge (6 pieces)
- Mandrel for cylinder (1 piece)
- Mandrel for emery cloth (1 piece)

Application: titanium

REF 135-500-00

1 set

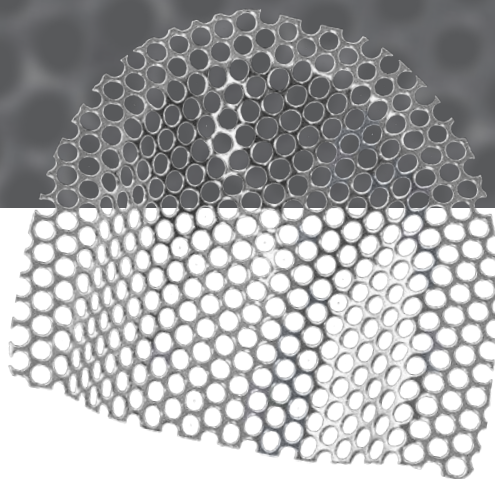


Impression materials	Page	252
Laboratory accessories	Page	253
Isolation and waxes	Page	254
Grid strengtheners	Page	255
Accessories	Page	256



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From impressions to grid strengtheners.

A diverse range of products available for impression taking and model casting to various different types of grid strengtheners. They all share the same superior product quality.



Orthalgenat® Duo

The universal impression material.

Rapidur®

Synthetic hard plaster, class 4.

Model gloss

Impregnation for demonstration models.

Isolating medium

Thin, abrasion-resistant film.

Modeling wax, pink

Good modeling characteristics for wax-ups.

Grid strengtheners and wire mesh

Stainless steel or gold-plated stainless steel.

Tin foil

Spacer foil in various thicknesses.

Ultrasonic cleaning solutions

For use in ultrasonic cleaners.

Impression material



Orthalgenat® Duo
Impression material incl. measuring set.

Flavor	Color	REF	Quantity
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
berry	violet	150-501-30	1 kg
berry	violet	150-509-30	9 x 1 kg
berry	violet	150-520-30	20 x 1 kg

CE **Packaging:** 1 kg (box), 9 x 1 kg and 20 x 1 kg (bag)
DIN/EN/ISO 21563

NEW



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, acrylics, 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 (e.g. 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 bowl 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 strengthener

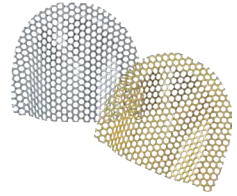
The numerous round perforations provide excellent resin bond to ensure a strong, stabilized denture base.

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

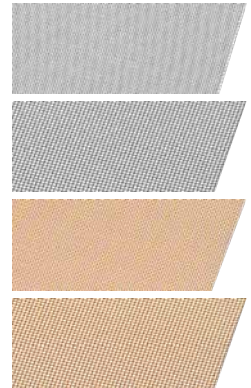


Wire mesh

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 roll

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 roll

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

Ultrasonic cleaning solution

To remove	REF	Quantity
Polishing paste, wax, grease	094-610-00	1000 ml
Plaster and plaster-bonded investment material	094-611-00	1000 ml
Calculus, cement, etching residues	094-612-00	1000 ml



Wires	Page	262
Clasps	Page	266



Wires and clasps.

Large selection – excellent quality.



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The Dentaureum product range supports your daily lab work and makes your life much easier. You will find an exceptionally 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.

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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 which gives you, our customer, the confidence that you can rely on products that are functional, dimensionally extremely precise and mechanically highly stable at all times.

remanium®

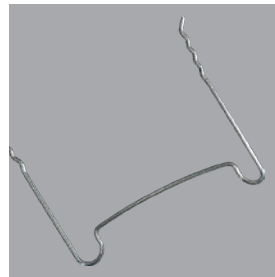
Stainless steel wires.

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 wire, round

Material: stainless steel

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

Color coded packaging: red

ø	Length	REF	Quantity
0.40 mm / 16	380 mm	525-040-00	25 pieces
0.70 mm / 28	150 mm	527-004-00	1100 pieces
0.50 mm / 20	380 mm	535-002-00	25 pieces
0.60 mm / 23	380 mm	535-003-00	25 pieces
0.70 mm / 28	190 mm	527-005-00	900 pieces
0.70 mm / 28	300 mm	527-070-00	25 pieces
0.75 mm / 30	380 mm	535-005-00	25 pieces
0.80 mm / 31	150 mm	527-006-00	875 pieces
0.80 mm / 31	300 mm	527-080-00	25 pieces
0.90 mm / 36	300 mm	527-090-00	25 pieces
1.00 mm / 39	300 mm	527-100-00	25 pieces
1.15 mm / 45	380 mm	535-009-00	25 pieces

CE 0483



remanium® laboratory coil, 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

CE 0483



remanium® clinical coil, 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

CE 0483

remanium® laboratory coil, 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 coil, 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 coil, half round

Material: stainless steel

Strength category: hard · 1400–1600 N/mm²

ø	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

ø	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

ø	Length	REF	Quantity
0.70 mm / 28	30 m	520-070-10	1 piece
0.80 mm / 31	20 m	520-080-10	1 piece
0.90 mm / 36	10 m	520-090-10	1 piece
1.20 mm / 47	10 m	520-120-10	1 piece

CE 0483

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



Noninium® wire on coils, round

Material: nickel free* stainless steel

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

ø	Length	REF	Quantity
0.60 mm / 23	40 m	520-062-10	1 piece
0.70 mm / 28	30 m	520-072-10	1 piece
0.80 mm / 31	20 m	520-082-10	1 piece
0.90 mm / 36	10 m	520-092-10	1 piece

CE 0483

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

remaloy® straight wire, round

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

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

Material: CoCr

Strength category: hard · 1400–1600 N/mm²

Color coded packaging: blue



ø	Length	REF	Quantity
0.70 mm / 28	380 mm	528-070-00	10 pieces
0.80 mm / 31	380 mm	528-080-00	10 pieces
0.90 mm / 36	380 mm	528-090-00	10 pieces
1.00 mm / 39	380 mm	528-100-00	10 pieces
1.10 mm / 43	380 mm	528-110-00	10 pieces
1.20 mm / 47	380 mm	528-120-00	10 pieces
1.30 mm / 51	380 mm	528-130-00	10 pieces
1.50 mm / 59	380 mm	528-150-00	10 pieces

CE 0483

remaloy® straight wire, half round

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

Material: CoCr

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

Color coded packaging: blue



ø	Length	REF	Quantity
1.50 x 0.75 mm	380 mm	528-155-00	10 pieces
1.75 x 0.90 mm	380 mm	528-158-00	10 pieces

CE 0483

remaloy® straight wire, rectangular rounded

With rounded edges, for use as TPA or reinforcing bow.

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

Material: CoCr

Strength category: hard plus · 1600–1800 N/mm²

Color coded packaging: blue

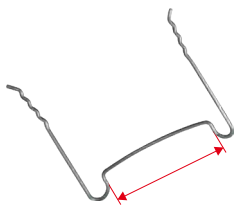


ø	Length	REF	Quantity
1.92 x 0.90 mm	380 mm	528-159-00	10 pieces

CE 0483



Clasps



Noninium® standard labial arch

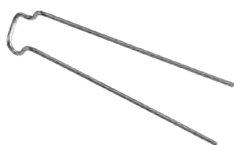
Material: Nickel free* stainless steel

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

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



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



Noninium® Adams clasp

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	621-404-01	10 pieces
0.70 mm / 28	8 mm	621-405-01	10 pieces
0.70 mm / 28	9 mm	621-406-01	10 pieces
0.70 mm / 28	10 mm	621-407-01	10 pieces
0.70 mm / 28	11 mm	621-408-01	10 pieces
0.70 mm / 28	12 mm	621-409-01	10 pieces



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



Noninium® Adams clasp assortment

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

1 assortment = 250 pieces

Material: Nickel free* stainless steel

ø 0.70 mm / 28

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

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



Noninium® triangular clasp

Material: Nickel free* stainless steel

Strength category: hard · 1400–1600 N/mm²

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



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

Noninium® arrow clasp

Material: Nickel free* stainless steel

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

ø	Length	REF	Quantity
0.70 mm / 28	41 mm	621-200-01	100 pieces

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



Noninium® ball retainer clasp

Material: Nickel free* stainless steel

Strength category: hard · 1400–1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	38 mm	620-207-02	100 pieces
0.80 mm / 32	38 mm	620-208-02	100 pieces
0.90 mm / 36	38 mm	620-209-02	100 pieces

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



remanium® ball retainer clasp

Ball ø: 1.6 mm

Material: Stainless steel

Strength category: hard · 1400–1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	38 mm	620-107-00	100 pieces
0.80 mm / 31	38 mm	620-108-00	100 pieces
0.90 mm / 35	38 mm	620-109-00	100 pieces
1.00 mm / 39	38 mm	620-110-00	100 pieces

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



remanium® arrow clasp

Material: Stainless steel

Strength category: hard · 1400–1600 N/mm²

ø	Length	REF	Quantity
0.80 mm / 31	40 mm	620-708-00	10 pieces

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



Guide pin

acc. to G. Müller®

Guide pin between upper and lower plates intended for bite correction of Angle Class II + Class III.

Material: Stainless steel

REF 607-204-00	2 pieces
REF 607-204-30	20 pieces

CE



Clasps



Guide pin

acc. to Hinz

Material: Stainless steel

ø	REF	Quantity	REF	Quantity
1.50 mm / 59	607-202-00	1 piece	607-202-30	10 pieces

CE



Lingual bar

Anatomically shaped e.g. for occlusion plates.

Material: Stainless steel

Length	☑	REF	Quantity
6 cm	3.0 x 1.5 mm	311-306-30	10 pieces
7 cm	3.0 x 1.5 mm	311-307-30	10 pieces
8 cm	3.0 x 1.5 mm	311-308-30	10 pieces

CE 0483



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 clasp

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
Bicuspids with rest, upper	0.90 mm / 36	320-010-00	10 pieces
Bicuspids with rest, lower	0.90 mm / 36	320-011-00	10 pieces
Molars with rest	1.00 mm / 39	320-020-00	10 pieces
Bicuspids	0.90 mm / 36	320-021-00	10 pieces
Molars	1.00 mm / 39	320-022-00	10 pieces
Bicuspids wide rest	0.90 mm / 36	320-023-00	10 pieces
Molars wide rest	1.00 mm / 39	320-024-00	10 pieces
Bicuspids	0.90 mm / 36	320-109-00	10 pieces
Molars	1.00 mm / 39	320-110-00	10 pieces

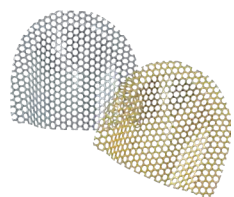


Clasps



Preformed wire clasp 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 Bicuspids with rest, upper REF 320-010-00 10 x Bicuspids with rest, lower REF 320-011-00 10 x Molars with rest REF 320-020-00 10 x Bicuspids REF 320-021-00 10 x Molars REF 320-022-00 10 x Bicuspids wide rest REF 320-023-00 10 x Molars wide rest REF 320-024-00 10 x Bicuspids REF 320-109-00 10 x Molars REF 320-110-00	



Grid strengthener

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

Material No.: 1.4301

Perforations ø: 2.5 mm

Thickness: 0.4 mm

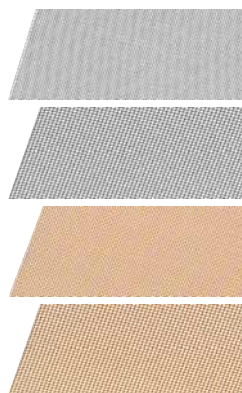
Material	REF	Quantity
Stainless steel	318-004-00	10 pieces
Stainless steel, gold plated (24 carat)	318-104-00	10 pieces

CE

Wire mesh

Material No.: 1.4301

Wire mesh: 10 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

Standard expansion screws	Page	276
Special expansion screws	Page	281
Variety expansion screws	Page	291
RPE screws	Page	295
Accessories	Page	300



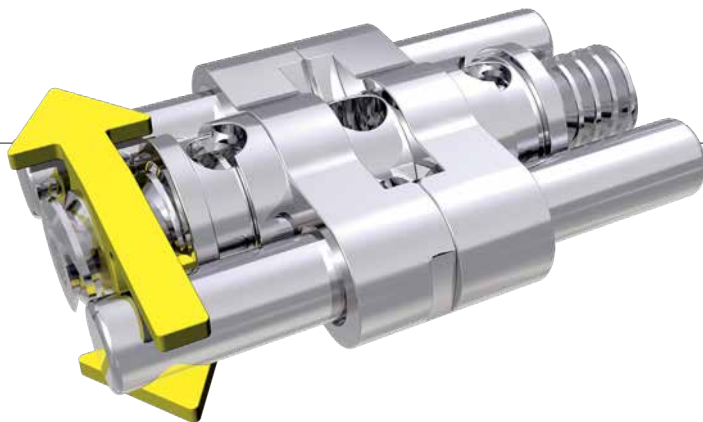
Expansion screws.

Perfect in form, function and finish.



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



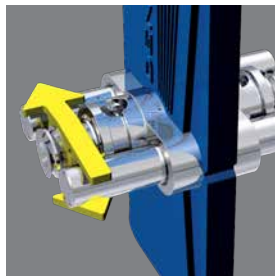


A wide range of products.

Dentaurum's selection of stainless steel expansion screws ranges from standard expansion screws to more complex special expansion screws. Titan hyrax® and rematitan® expansion screws, the biocompatible alternatives in pure titanium, round off this wide selection.

Perfect in every detail.

Dentaurum's expansion screws achieve wide expansion despite their small size. Built-in stops prevent the screws from coming apart. They are guaranteed to open evenly and not reverse inadvertently thanks to the friction on the thread which has been carefully calculated and an integrated stop mechanism. High precision work and excellent quality ensure that the screw constructions are strong and stable. Additional holes in the body ensure optimal retention in the acrylic.



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 reversing.

Titan hyrax®

The world's first RPE screw in titanium.

Variety

The versatile, multi-functional special expansion screw.

Variety click

The special expansion screw without unwanted reversing.

Expansion screws

Standard expansion screws



Expansion screw Mini

Material: Stainless steel

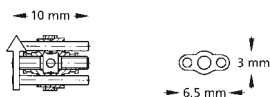
- with **cone-shaped** expansion screw holder
- skeleton design
- holes in body of screws for better retention in acrylic
- built-in stops prevent screws from coming apart

With expansion screw key straight, small – standard.

Indication: for transversal expansion and distalization in the lower jaw or for especially narrow upper jaws

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
6.5 mm	= 0.7 mm	Plastic, white	600-300-10	1 piece
6.5 mm	= 0.7 mm	Plastic, white	600-300-30	10 pieces
6.5 mm	= 0.7 mm	Plastic, white	600-300-60	100 pieces

CE



Expansion screw Mini

Material: Stainless steel

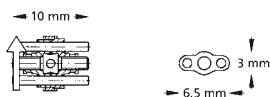
- with **wide** expansion screw holder
- skeleton design
- holes in body of screws for better retention in acrylic
- built-in stops prevent screws from coming apart

With expansion screw key straight, small – standard.

Indication: for transversal expansion and distalization in the lower jaw or for especially narrow upper jaws

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
6.5 mm	= 0.7 mm	Plastic, white	600-320-10	1 piece
6.5 mm	= 0.7 mm	Plastic, white	600-320-30	10 pieces
6.5 mm	= 0.7 mm	Plastic, white	600-320-60	100 pieces

CE



Expansion screw Medium

Material: Stainless steel

- with **cone-shaped** expansion screw holder
- skeleton design
- holes in body of screws for better retention in acrylic
- built-in stops prevent screws from coming apart

With expansion screw key straight, small – standard.

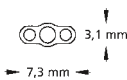
Indication: for transversal expansion and distalization in upper and lower jaw

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-301-10	1 piece
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-301-30	10 pieces
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-301-60	100 pieces



CE

→ 11 mm →



Expansion screw Medium

Material: Stainless steel

- with **wide** expansion screw holder
- skeleton design
- holes in body of screws for better retention in acrylic
- built-in stops prevent screws from coming apart

With expansion screw key straight, small – standard.

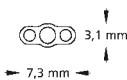
Indication: for transversal expansion and distalization in upper and lower jaw

Maximum expansion	4 x 1/4 turn	Directional arrow	REF	Quantity
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-321-10	1 piece
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-321-30	10 pieces
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-321-60	100 pieces



CE

→ 11 mm →



Expansion screws

Standard expansion screws



Expansion screw Maxi

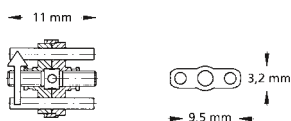
Material: Stainless steel

- with **cone-shaped** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key 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



Expansion screw Maxi

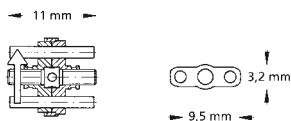
Material: Stainless steel

- with **wide** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key 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	600-322-10	1 piece
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-322-30	10 pieces
7.5 mm	= 0.8 mm	Plastic, neon yellow	600-322-60	100 pieces

CE



NEW

Expansion screw Magnum

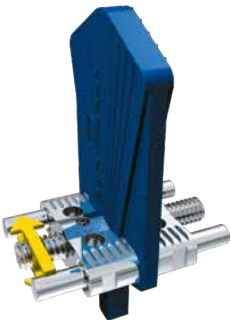
Material: Stainless steel

- with **cone-shaped** expansion screw holder
- skeleton design
- version: extra strong, with larger screw body
- holes in body of screws for better retention in acrylic
- built-in stops prevent screws from coming apart

With expansion screw key straight, small – standard.

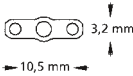
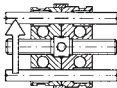
Indication: for transversal expansion in the upper jaw and bimaxillary functional gnatho-orthopedic appliances

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

→ 14,5 mm →



Expansion screws

Standard expansion screws



rematitan® expansion screw Medium

Material: Titanium

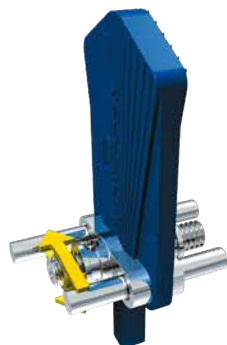
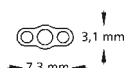
- with **cone-shaped** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key straight, small – standard.

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 →



Trapezoidal expansion screw

Material: Stainless steel

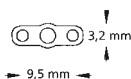
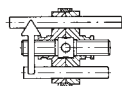
- with **cone-shaped** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key straight, small – standard.

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

→ 14,5 mm →
→ 11 mm →



Sectional screw Mini

Material: Stainless steel

- with **wide** expansion screw holder
- 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

- with **wide** expansion screw holder
- 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 expansion screws



Sectional screw Medium

Material: Stainless steel

- with **cone-shaped** expansion screw holder
- skeleton design
- guide pins: **straight**, with mushroom head retention
- holes in body of screws for better retention in acrylic
- built-in stops prevent screws from coming apart

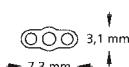
With expansion screw key straight, small – standard.

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

→ 12,5 mm →



Sectional screw Medium

Material: Stainless steel

- with **cone-shaped** expansion screw holder
- skeleton design
- guide pins: U-shaped, **angulated facing down**
- holes in body of screws for better retention in acrylic

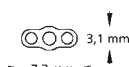
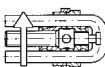
With expansion screw key straight, small – standard.

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

→ 13 mm →



Retraction screw Extra Mini

Material: Stainless steel

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

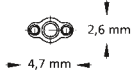
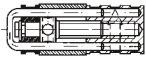
With expansion screw key straight, small – standard.

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

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

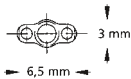
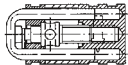
With expansion screw key straight, small – standard.

Indication: for space closing and movement of individual teeth

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 →



Expansion screws

Special expansion screws



Retraction screw Medium

Material: Stainless steel

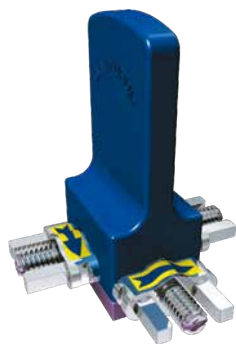
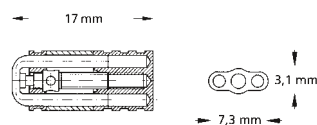
- with **cone-shaped** expansion screw holder
- screw body: closed
- guide pins: U-shaped, straight

With expansion screw key straight, small – standard.

Indication: for space closing and movement of individual teeth

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



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

Material: Stainless steel

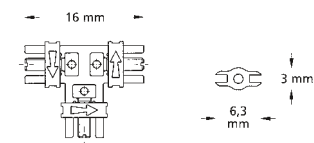
- strengthened guides
- three independently controlled movements
- same total expansion per segment

With expansion screw key straight, 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 Bertoni – two movements (Type B)

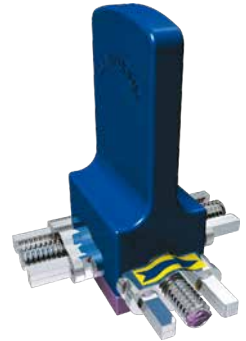
Material: Stainless steel

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

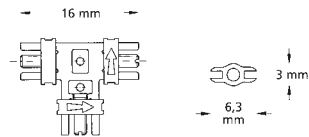
With expansion screw key straight, small – standard.

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 Steiner

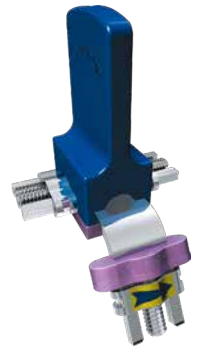
Material: Stainless steel

- 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

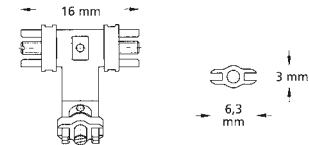
With expansion screw key straight, small – standard.

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

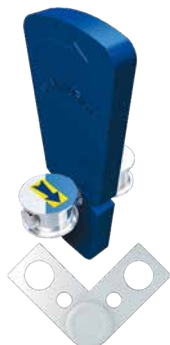


CE



Expansion screws

Special expansion screws



Fan-type expansion screw

Material: Stainless steel

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

With expansion screw key straight, 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 →



Mandibular bow screw acc. to Müller

Material: Stainless steel

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

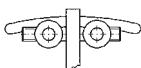
With expansion screw key straight, small – standard.

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

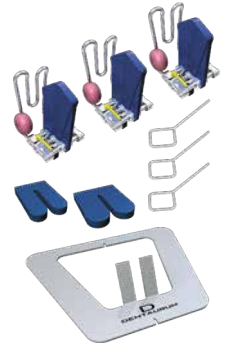
- flexibility of the intermaxillary element
- screws with guide ridge for forward thrust double plate.
Double loop, wax coated

With expansion screw key straight, small – standard.

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

REF 600-000-00	1 assortment
CE	
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

Contents:



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 expansion screws



Expansion screw for split activator

Material: Stainless steel

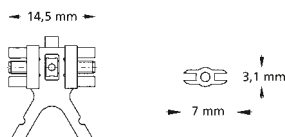
- with **cone-shaped** expansion screw holder
- strengthened guides

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

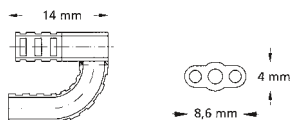
Material: Stainless steel

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



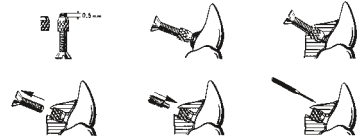
Piston spring screw assortment

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	
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

Contents:



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 screw

For piston spring screw.

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 screw.

To position into acrylic or to weld onto wire elements.

Material: stainless steel

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



CE

Expansion screws

Special expansion screws



Reamer

For piston spring screw.

Material: stainless steel

REF 609-300-00

1 piece



Screw driver

For piston spring screw.

To activate the piston spring screws.

Material: stainless steel

REF 609-400-00

1 piece

Variety click Mini – 8

Monoguided special expansion screw with the “Click” feature to prevent unwanted reversing. For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalization, mesialization of posterior teeth, or for space closure by moving individual teeth. For early palatal expansion as well.

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

Assembly dimension: 12.9 mm

Screw body: 9.6 mm

Maximum expansion: 8.0 mm

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

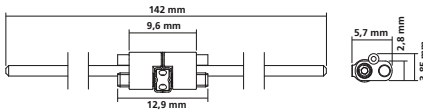
Material: stainless steel



Retention legs	REF	Quantity	REF	Quantity
straight	602-836-10	1 piece	602-836-30	10 pieces

CE 0483

NEW



Variety click SP (small palate) Mini – 8

Monoguided special expansion screw with the “Click” feature to prevent unwanted reversing. For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalization, mesialization of posterior teeth, or for space closure by moving individual teeth. For early palatal expansion as well.

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

Assembly dimension: 12.9 mm

Screw body: 9.6 mm

Maximum expansion: 8.0 mm

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

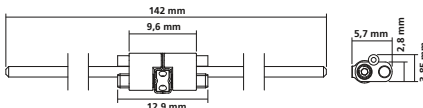
Material: stainless steel



Retention legs	REF	Quantity	REF	Quantity
straight	602-838-10	1 piece	602-838-30	10 pieces

CE 0483

NEW



Variety expansion screws



Variety click Maxi – 12

Monoguided special expansion screw with the “Click” feature to prevent unwanted reversing. For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalization, mesialization of posterior teeth, or for space closure by moving individual teeth. For early palatal expansion as well.

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

With safety key.

Assembly dimension: 17.2 mm

Screw body: 9.6 mm

Maximum expansion: 12.0 mm

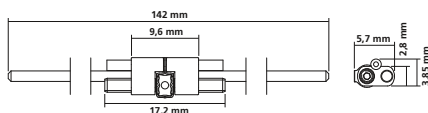
4 x $\frac{1}{4}$ turn: = 0.8 mm

Material: stainless steel

Retention legs	REF	Quantity	REF	Quantity
straight	602-837-10	1 piece	602-837-30	10 pieces

CE 0483

NEW



Variety click SP (small palate) Maxi – 12

Monoguided special expansion screw with the “Click” feature to prevent unwanted reversing. For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalization, mesialization of posterior teeth, or for space closure by moving individual teeth. For early palatal expansion as well.

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

With safety key.

Assembly dimension: 17.2 mm

Screw body: 9.6 mm

Maximum expansion: 12.0 mm

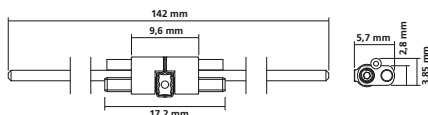
4 x $\frac{1}{4}$ turn: = 0.8 mm

Material: stainless steel

Retention legs	REF	Quantity	REF	Quantity
straight	602-839-10	1 piece	602-839-30	10 pieces

CE 0483

NEW



Variety Mini – 8

Monoguided special expansion screw. For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalization, mesialization of posterior teeth, or for space closure by moving individual teeth. 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 reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Assembly dimension: 12.9 mm

Screw body: 9.6 mm

Maximum expansion: 8.0 mm

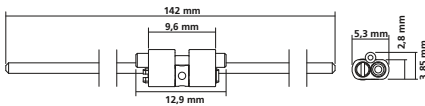
4 x 1/4 turn = 0.8 mm

Material: stainless steel



Retention legs	REF	Quantity	REF	Quantity
straight	602-815-10	1 piece	602-815-30	10 pieces

CE 0483



Variety SP (small palate) Mini – 8

Monoguided special expansion screw. For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalization, mesialization of posterior teeth, or for space closure by moving individual teeth. 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 reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Assembly dimension: 12.9 mm

Screw body: 9.6 mm

Maximum expansion: 8.0 mm

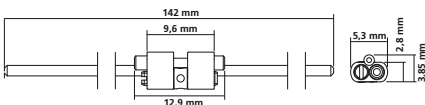
4 x 1/4 turn = 0.8 mm

Material: stainless steel



Retention legs	REF	Quantity	REF	Quantity
straight	602-819-10	1 piece	602-819-30	10 pieces

CE 0483



Variety expansion screws



Variety Maxi – 12

Monoguided special expansion screw. For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalization, mesialization of posterior teeth, or for space closure by moving individual teeth. 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 reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Assembly dimension: 14.9 mm

Screw body: 9.6 mm

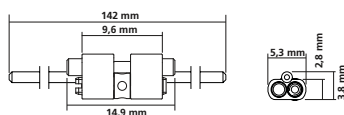
Maximum expansion: 12.0 mm

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) Maxi – 12

Monoguided special expansion screw. For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalization, mesialization of posterior teeth, or for space closure by moving individual teeth. 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 reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction
- screw can be tied down once desired expansion has been reached

With safety key.

Assembly dimension: 14.9 mm

Screw body: 9.6 mm

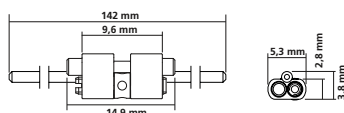
Maximum expansion: 12.0 mm

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



Titan hyrax® Maxi – 12

RPE screw of titanium

For rapid palatal expansion by means of fixed appliances.

The screw is anchored to the teeth using cast titanium and laser-welded cap splints, 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

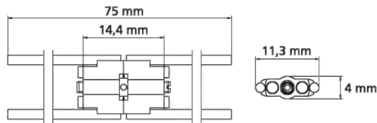
4 x 1/4 turn: = 0.8 mm

Material: titanium



Retention legs	REF	Quantity	REF	Quantity
straight	602-810-10	1 piece	602-810-30	10 pieces

CE 0483



Titanium direct bond pad

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

CE 0483



rematitan® straight wire

Titanium grade 1

Norm: DIN 17850

For laser welding.

Recommended as reinforcing wire for fixed titanium RPE appliances (Titan 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



RPE screws



hyrax® click Mini – 7

RPE screw with the “Click” feature to prevent unwanted reversing

For effective and reliable rapid palatal expansion by means of fixed appliances.

- optimal screw locking during the active treatment phase
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- solder free
- reliable activation/deactivation of the screw with clearly perceptible “click” after a $\frac{1}{4}$ turn
- no accidental reversing when pulling out safety key during activation
- 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

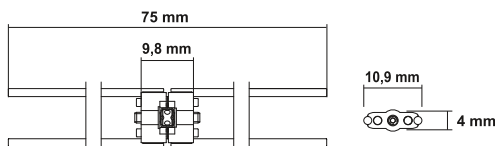
Maximum expansion: 7.0 mm

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 reversing

For effective and reliable rapid palatal expansion by means of fixed appliances.

- optimal screw locking during the active treatment phase
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- solder free
- reliable activation/deactivation of the screw with clearly perceptible “click” after a $\frac{1}{4}$ turn
- no accidental reversing when pulling out safety key during activation
- 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

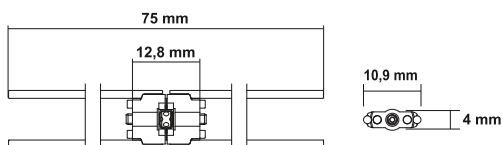
Maximum expansion: 10.0 mm

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



hyrax® click Maxi – 12

RPE screw with the “Click” feature to prevent unwanted reversing

For effective and reliable rapid palatal expansion by means of fixed appliances.

- optimal screw locking during the active treatment phase
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- solder free
- reliable activation/deactivation of the screw with clearly perceptible “click” after a $\frac{1}{4}$ turn
- no accidental reversing when pulling out safety key during activation
- 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

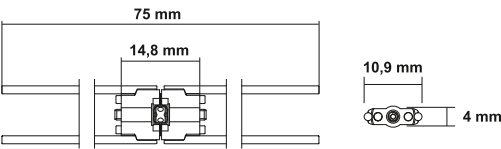
4 x $\frac{1}{4}$ turn: = 0.8 mm

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



RPE screws



hyrax® Mini – 7

RPE screw

For rapid palatal expansion by means of fixed appliances.

- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- small dimensions with maximum expansion
- solder free
- break resistant retention legs, stable guidance throughout complete expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Screw body: 9.4 mm

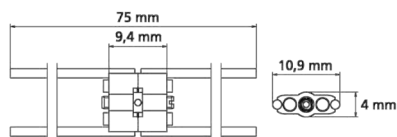
Maximum expansion: 7.0 mm

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 rapid palatal expansion by means of fixed appliances.

- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- small dimensions with maximum expansion
- 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 reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Screw body: 12.4 mm

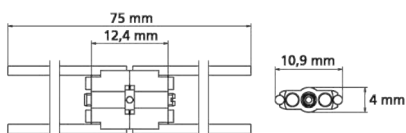
Maximum expansion: 10.0 mm

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



hyrax® Maxi – 12

RPE screw

For rapid palatal expansion 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 reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

With safety key.

Screw body: 14.4 mm

Maximum expansion: 12.0 mm

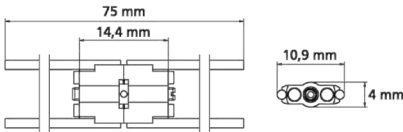
4 x 1/4 turn: = 0.8 mm

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



Accessories



Arrow to indicate the opening direction

For expansion screws.

Color	REF	Quantity
yellow	611-130-00	50 pieces
white	611-131-00	50 pieces
pearl-blue	611-132-00	50 pieces

CE



Universal bending key

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

REF 611-122-00	1 piece
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Safety key

Can be used with all Dentaaurum 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 Dentaaurum 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 Dentaaurum 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

Includes a selection of expansion screws from Dentaaurum's large range of expansion screws.
Filled with 27 expansion screws that are also available separately, 2 expansion screw keys and 1 universal bending key. **1 set = 30 pieces.**

REF 612-000-00	1 set
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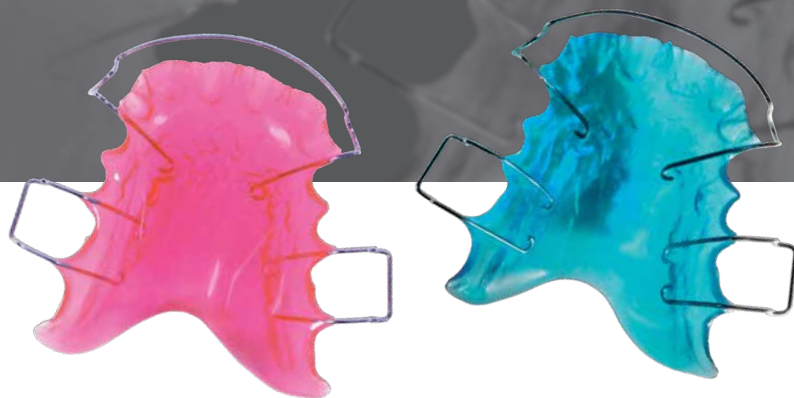
CE 0483

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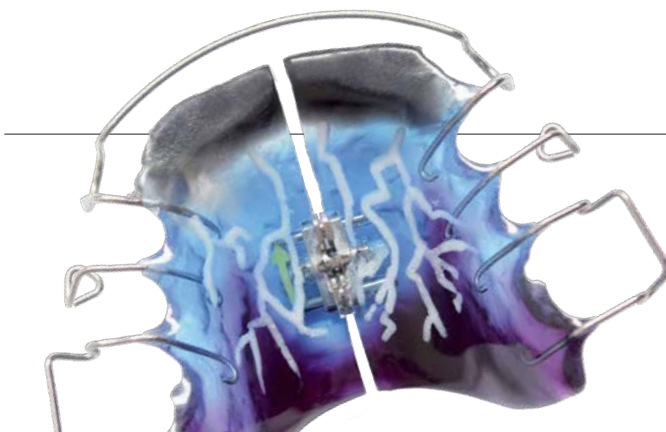
Orthodontic acrylics.

Vibrant colors – fascinating varieties.



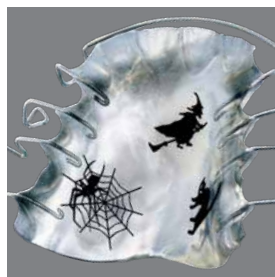
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The versatile acrylic system.

Orthocryl® has been a fixture in orthodontic laboratories for more than 50 years. For generations, it has combined excellent product characteristics and easy handling. When working with the Orthocryl® acrylic system, there are no limits to your creativity. Whether black, white or multicolored appliances, the Orthocryl® acrylic system offers an extensive product program and a wide range of vibrant colors. Apart from the conventional cold-curing acrylic, Orthocryl® is also available as light-curing material. Orthocryl® LC is especially designed to meet the requirements for fabricating orthodontic appliances. It is light-curing, time-saving and extremely easy to use.



Orthocryl® LC

The light-curing acrylic.

Orthocryl®

Suited for the salt-and-pepper technique.

Orthocryl® EQ

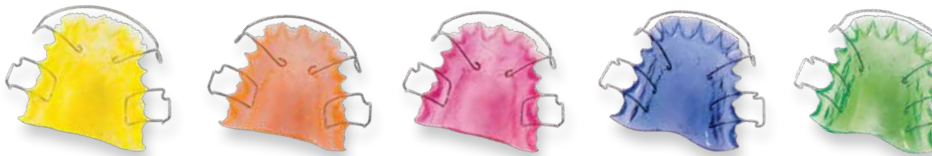
Suited for the doughing technique.

Orthocryl® black & white

High-contrast, versatile.

A wide range of field-proven accessories

All from one source.



Orthocryl® LC

The light-curing acrylic for orthodontists.

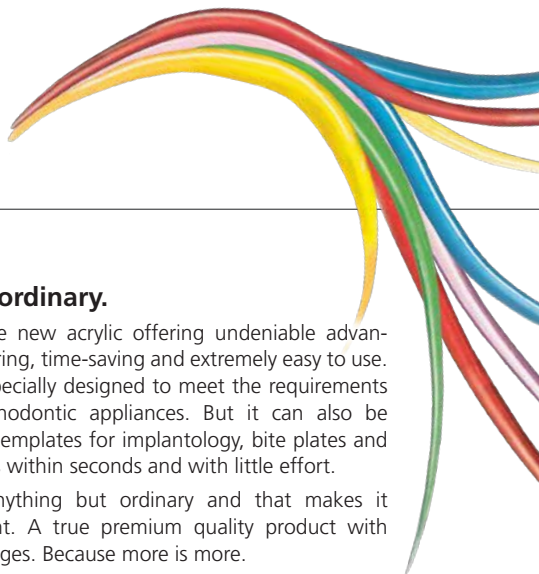
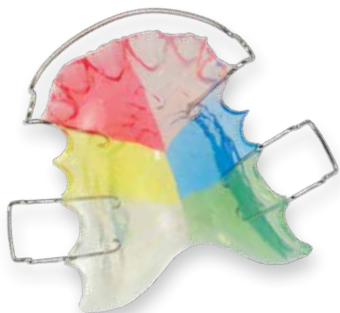
Anything but ordinary.

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

Orthocryl® LC is anything but ordinary and that makes it delightfully different. A true premium quality product with undeniable advantages. Because more is more.

Advantages:

- Extremely easy to use.
- Saves time and material.
- Optimal flowability.
- Wide range of applications.
- Completely odorless.
- Biocompatible.



Easy to use and flexible.

Orthocryl® LC is extremely easy to use. The product is delivered ready to use in black, opaque cartridges. Time-consuming preparation steps have become superfluous: the acrylic does not have to be mixed, doughed or salt-and-peppered anymore.

The material can be directly applied from the cartridge to the prepared model. The application injector helps to apply the right dosage in the right spot. The easy handling saves both a great amount of time when processing and finishing the appliance and a lot of material.

Due to its optimal flowability, Orthocryl® LC can be easily adapted to the plaster model.

Orthocryl® LC is available in six vibrant colors. Adding glitter or novel designs from the extensive Orthocryl® program makes each appliance unique.



Orthocryl® LC / Starter sets



Orthocryl® LC starter set

Light-curing acrylic.

REF 160-400-00	1 assortment
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CE 0483

Contents:

1 x Orthocryl® LC, clear	REF 160-401-00
1 x Orthocryl® LC, transparent pink	REF 160-402-00
1 x Orthocryl® LC, red	REF 160-403-00
1 x Orthocryl® LC, blue	REF 160-404-00
1 x Orthocryl® LC, yellow	REF 160-405-00
1 x Orthocryl® LC, green	REF 160-406-00
1 x Injector for Orthocryl® LC	REF 160-420-00
50 x Cartridge tips for Orthocryl® LC	REF 160-421-00



Orthocryl® LC starter set, clear

Light-curing acrylic.

REF 160-400-20	1 assortment
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CE 0483

Contents:

6 x Orthocryl® LC, clear	REF 160-401-00
1 x Injector for Orthocryl® LC	REF 160-420-00
50 x Cartridge tips for Orthocryl® LC	REF 160-421-00

Orthocryl® LC

Light-curing acrylic in opaque cartridges.

Color	REF	Quantity
clear	160-401-00	30 g
transparent pink	160-402-00	30 g
red	160-403-00	30 g
blue	160-404-00	30 g
yellow	160-405-00	30 g
green	160-406-00	30 g



CE 0483



Orthodontic acrylics

Orthocryl® LC / Accessories



Bite paste

For Orthocryl® LC.

Color	REF	Quantity
transparent	160-410-00	50 g

CE 0483



Injector

For Orthocryl® LC.

REF 160-420-00	1 piece
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Cartridge tips

For Orthocryl® LC.

REF 160-421-00	50 pieces
----------------	-----------



Cleaning liquid

For Orthocryl® LC.

REF 160-430-00	100 ml
REF 160-431-00	1000 ml



Stand for cartridges

For Orthocryl® LC. Fits 6 cartridges.

Material: Plastic

Do not use disinfectants containing ethanol, phenol or alcohol.

Dimensions: ca. 170 x 110 x 110 mm (W x H x D)

Color	REF	Quantity
transparent, clear	160-422-00	1 piece



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

Orthocryl® assortment

REF 161-912-00	1 assortment
CE 0483 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



CE 0483

Orthocryl® assortment “The multicolored palette”

REF 160-600-00	1 assortment
CE 0483 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
CE 0483	



Orthocryl® Neon assortment

Brightly colored orthodontic acrylics Liquid (monomer)

Neon-colored Orthocryl® liquid (monomer) for producing brightly colored orthodontic appliances. Cold curing acrylic resin permitting the simple and economical fabrication of orthodontic appliances. Easy processing, using both the doughing and the salt-and-pepper technique in conjunction with the clear Orthocryl® powder (polymer, REF 160-112-00/160-212-00). Disco glitter can also be used to enhance the effect of the colors.

REF 160-700-00	1 assortment
CE 0483 Contents:	
1 kg Orthocryl® powder (polymer), clear	REF 160-112-00
250 ml Orthocryl® liquid (monomer), neon yellow	REF 161-135-00
250 ml Orthocryl® liquid (monomer), neon orange	REF 161-136-00
250 ml Orthocryl® liquid (monomer), neon pink	REF 161-137-00
250 ml Orthocryl® liquid (monomer), neon green	REF 161-138-00



Orthodent acrylics

Orthocryl® / Single packs



Orthocryl®

Powder (polymer)

Cold curing acrylic resin permitting the simple and economical fabrication of orthodontic appliances.

Especially suited for the salt-and-pepper technique.

Also, very suitable for the doughing technique.

Color	REF	Quantity	REF	Quantity
clear	160-112-00	1 kg	160-212-00	10 kg

CE 0483



Orthocryl® EQ

Powder (polymer)

Cold curing acrylic resin permitting the simple and economical fabrication of orthodontic appliances.

Especially suited for the doughing technique.

Also, very suitable for the salt-and-pepper technique.

Color	REF	Quantity	REF	Quantity
clear	160-300-00	1 kg	160-301-00	10 kg

CE 0483



Orthocryl® black & white

Powder (polymer), opaque

Cold curing acrylic resin permitting the simple and economical fabrication of orthodontic appliances.

Especially suited for the salt-and-pepper technique.

Also, very suitable for the doughing technique.

Color	REF	Quantity	REF	Quantity
black	160-011-00	200 g	160-013-00	1 kg
white	160-012-00	200 g	160-014-00	1 kg

CE 0483



Orthocryl® Neon

Brightly colored orthodontic acrylics

Liquid (monomer)

Neon-colored Orthocryl® liquid (monomer) for producing brightly colored orthodontic appliances. Cold curing acrylic resin permitting the simple and economical fabrication of orthodontic appliances. Easy processing, using both the doughing and the salt-and-pepper technique in conjunction with the clear Orthocryl® powder (polymer, REF 160-112-00/160-212-00). Disco glitter can also be used to enhance the effect of the colors.

Color	REF	Quantity
neon yellow	161-135-00	250 ml
neon orange	161-136-00	250 ml
neon pink	161-137-00	250 ml
neon green	161-138-00	250 ml

CE 0483

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				
turquoise	161-131-00	250 ml				
pink	161-132-00	250 ml				
emerald green	161-133-00	250 ml				
violet	161-134-00	250 ml				
clear			161-100-00	500 ml	161-150-00	1000 ml
transparent pink			161-300-00	500 ml	161-350-00	1000 ml



CE 0483

Orthocryl®

Color concentrate

For tinting clear Orthocryl® liquid (monomer, REF 161-100-00 / 161-150-00). With one dispensing pipette.

Color	Mixing ratio	REF	Quantity
red	1 : 10	161-620-00	100 ml
green	1 : 20	161-621-00	100 ml
blue	1 : 50	161-622-00	100 ml
yellow	1 : 25	161-623-00	100 ml



CE 0483

Mixing ratio:

	Liquid, clear	Color concentrate	Liquid, clear	Color concentrate
1 : 10 (red)	100 ml	10 ml	50 ml	5 ml
1 : 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



Disco glitter



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



Novel designs / Assortment

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Contents:

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

REF 160-100-00	1 assortment
CE Contents:	
20 x Crocodile	REF 160-100-01
20 x Frog	REF 160-100-02
20 x Parrot	REF 160-100-04
20 x Ladybug	REF 160-100-05
20 x Dragon	REF 160-100-06
20 x Fish	REF 160-100-07
20 x Formula 1 (Indy Racecar)	REF 160-100-09
20 x Elephant	REF 160-100-10
20 x Heart	REF 160-100-11
20 x Duck	REF 160-100-12
20 x Dinosaur	REF 160-100-13
20 x Motorcycle	REF 160-100-14
20 x Snail	REF 160-100-15
20 x 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 160-100-45



Novel designs "Football"

Sheet with two different sizes of design

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

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



CE

Novel designs "Beaver"

For placing in orthodontic appliances. For polymerizing 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



CE

Novel designs "Black Edition"

For placing in orthodontic appliances. For polymerizing 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



CE

Novel designs

Novel designs

For placing in orthodontic appliances. For polymerizing 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
Horse	160-100-43	2 sheets = 20 pieces
Pink Pony	160-100-44	2 sheets = 20 pieces

CE

Novel designs

For placing in orthodontic appliances. For polymerizing 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

CE

Novel designs

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Design	REF	Quantity
Ladybug	160-100-05	20 pieces
Dragon	160-100-06	20 pieces
Fish	160-100-07	20 pieces
Formula 1 (Indy Racecar)	160-100-09	20 pieces
Elephant	160-100-10	20 pieces
Heart	160-100-11	20 pieces
Duck	160-100-12	20 pieces
Dinosaur	160-100-13	20 pieces
Motorcycle	160-100-14	20 pieces
Snail	160-100-15	20 pieces



Novel designs

Novel designs

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.



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



Spray bottle

For powder (polymer) and liquid (monomer).

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



Spray nozzle for Orthocryl® liquid (monomer)

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



Spray nozzle for Orthocryl® powder (polymer)

REF 162-751-00	1 piece
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Mixing bowl 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 wax for blocking-out
- for covering springs used in the Orthocryl® technique
- prevents acrylic from becoming milky in appearance

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



Sticky wax

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

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



Saw

For orthodontics/prosthetics.

Small saw with replaceable blades.

Contents:

Saw incl. 3 saw blades

REF 180-702-00	1 piece
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Saw blade

For saw.

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

FKO-split-post fixator

acc. to Gordon

This split-post fixator is designed for precise model positioning and holding. Special conical arms allow for the removal and replacement of models.

REF 072-004-00

1 piece



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 polymerizing 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).

Power voltage	REF	Quantity
230 V~	070-900-00	1 piece
115 V~	070-901-00	1 piece

Technical data

Output	125 W
Thermostat for water temperature	43 °C / 109.4 °F
Power frequency	50/60 Hz
Weight	2.6 kg
Dimensions (W x H x D)	240 x 240 x 75 mm



Accessories



Suction apparatus with charcoal filter

For protection against vapor during processing of acrylics in the laboratory.

- controlled by a photoelectric sensor (automatic switch on/off)
- includes hour meter
- easy-change filter (replace the filter cartridge, REF 072-001-30, 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



Dermatril® disposable rubber gloves

For protection during work with polymethyl methacrylates such as Orthocryl®.

Made from special nitrile, free from powder and natural latex.

Layer thickness	Size	REF	Quantity
0.10 mm	S	162-907-00	100 pieces
0.10 mm	M	162-908-00	100 pieces
0.10 mm	L	162-909-00	100 pieces

CE 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



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
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Orthobox and accessories



Appliance container, mini

The mini version is especially suitable for single appliances and oral screens (e.g. the "Ulmer Model").

Material: Plastic (dimensionally stable and impact resistant)

Dimensions (W x H x D): 7.00 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. snap hook.

Material: Plastic (dimensionally stable and impact resistant)

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

**Snap hook**

For attaching the appliance container to a belt loop.

REF 163-801-00	10 pieces
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**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	330
Pliers and instruments	Page	334
Accessories	Page	336



Pliers and instruments.

Premium quality – premium function.



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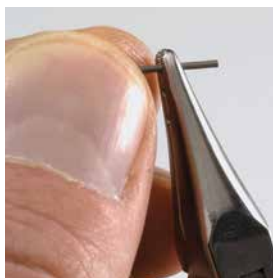


One program to cover all areas.

Whether for removable orthodontics or for prosthetics, the Dentaaurum pliers' program includes instruments to serve all standard requirements. The user can always trust in consistent quality and reliability. This ensures quicker, more effective use.

Made in Germany.

Highly experienced craftsmanship and state-of-the-art machinery have been used to produce these high-quality pliers which remain true to the tagline "Made in Germany". For this reason, Dentaaurum's Premium-Line pliers are extra long-lasting*.






PREMIUM
LINE

10 year guarantee!**



*For instructions on how to clean and take care of the Dentaaurum pliers and instruments, please refer to separate information 989-590-20.

** The 10 year guarantee is on material and workmanship, loosening of cutting inserts, breakage and corrosion of pliers' body, providing the instruments have been used correctly and properly maintained. The guarantee does not apply if the equipment has been deliberately modified or used/cleaned in an unprofessional manner.

Premium-Line pliers



Nance loop closing pliers sterilizable

For bending 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



Angle wire bending pliers standard sterilizable

Sturdy constructed pliers with one cone and one pyramid shaped beak.

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

Premium-Line · 10 year guarantee

REF 003-139-00

1 piece



Angle wire bending pliers sterilizable

Sturdy constructed pliers with one cone and one pyramid shaped beak. Inserts made of hard metal.

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

Premium-Line · 10 year guarantee

REF 004-139-00

1 piece



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. Repair service available.

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. Tungsten carbide coated working faces. Repair service available.

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: ø 0.9 mm, hard

Premium-Line · 10 year guarantee

REF 003-200-00

1 piece



Aderer 3-Prong pliers Maxi

Sturdy design.

Length: 15.5 cm

Max. wire thickness: ø 1.5 mm, hard

Premium-Line · 10 year guarantee

REF 003-202-00

1 piece



Arrow clasp former

Max. wire thickness: ø 0.7 mm, hard

Premium-Line · 10 year guarantee



REF 012-520-00

1 piece



Arrow clasp bending pliers

Max. wire thickness: ø 0.7 mm, hard

Premium-Line · 10 year guarantee



REF 012-521-00

1 piece



Face bow bending pliers Magnum

sterilizable

Ideal for bending the outer bows of a face bow.

Max. wire thickness: ø 1.8 mm

Premium-Line · 10 year guarantee

REF 003-180-01

1 piece

CE

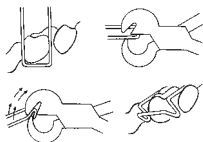


Pliers and instruments



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



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

Casting ring tongs

- for large and small casting rings
- 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
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Stand for wires and pliers

Material: plastic
With 6 tubes for straight wires.
Do not use disinfectants containing ethanol,
phenol or alcohol.
Color: transparent, clear
Height: approx. 13 cm
Width: approx. 18 cm

REF 055-101-01	1 piece
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Stand for pliers

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	25.5 cm	055-100-00	1 piece

Welding units and accessories	Page	344
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Pressure vessel and suction unit	Page	369
Miscellaneous	Page	370



Equipment.

For professional workmanship.



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**ONLINE
SHOP**
shop.dentaurum.com



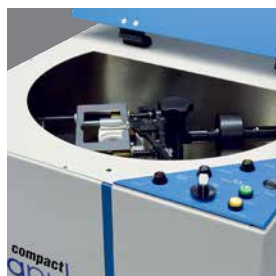


Certified quality – made in Germany

Dentaureum 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

Universal laser welding machine.

Spot welding units

Junior 3000, Assistant 3000 and Master 3000.

megapuls compact

Compact, high frequency casting unit.

Paratherm, Paraline

Surveying and blocking-out devices.

Dual-wheel model trimmer

Beautiful models – trimmed quickly and cleanly.

Thermomat

Electrical wax knife with various attachments.

Dentaurum laser technology.

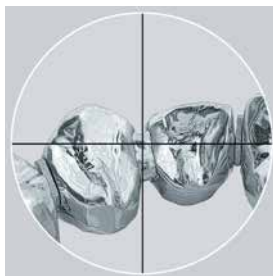
Professional welding in prosthetics.

Laser welding – the modern joining technique.

Laser welding allows more efficient processing. In comparison with traditional soldering, you 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 recently taken a very critical stance 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 issue.



Maximum stability.

Laser-welded connections present a significantly higher mechanical resistance and are more durable than soldered connections. This means more security and quality for the dentist and patients.

Broad spectrum of application.

With laser welding entering into the field of dental joining techniques the spectrum of application has been considerably improved and expanded. The desktop Compact is also well suited for metal joints in orthodontics.

Whether you want to process precious metal alloys with a high gold content, non-precious alloys or titanium, you cover the whole range of dental materials using laser welding.

The ergonomics – extremely user-friendly.

A special characteristic feature of the Dentaureum laser is the special ergonomic design. Working becomes a relaxed and easy affair for you.

- The Dentaureum laser shows its excellent ergonomics in the optimal inclination of the laser axis. Thereby not only do you sit relaxed in front of the microscope, but you can also hold the workpiece at an optimal angle.
- The laser optics excels in exceptional in-depth sharpness. That means: 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



Power voltage	REF	Quantity
230 V~	090-578-50	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	T 16 A
Power frequency	50/60 Hz
Weight	50 kg
Dimensions (W x H x D)	510 x 430 x 645 mm

desktop Compact

Laser welding – powerful and easy to use.

More than 20 years of dental laser welding technique accumulated in a compact table unit. From delicate, detailed welding to secure joints, the desktop Compact laser can be used for all areas of application in dental prosthetics and orthodontics. The finely adjustable dosage makes welding so much easier. Until now, such compact machine measurements were not available in this laser performance category. Simple machine operation prevents fatigue during work.

Advantages:

- extremely compact table top unit
- clear and user-friendly touchscreen
- high output reserve
- ergonomically designed – large working chamber with inclining laser axis
- high quality microscope with a wide field of vision
- integrated pulse forming – 4 pre-set pulse shapes
- two inert gas nozzles, 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.

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
65.0	28.0	5.5

Additional elements ≤ 1 %: Mn, Si



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

CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Nb	Ta	Fe
61.0	22.0	9.0	2.0	2.0	1.0

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 (Titan hyrax® Maxi – 12).

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

CE 0483



rematitan® straight wire

Titanium grade 1

Norm: DIN 17850

For laser welding.

Recommended as reinforcing wire for fixed titanium RPE appliances (Titan 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 rolled	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

**Titanium disc holder for laser welder**

This holder is a device for adjusting the crosshair and efficiency check of dental laser welders. The titanium disc is clamped into the adjustable holder. The height is then perfectly adjusted inside the welding chamber. As soon as the titanium disc is visible in the microscope, the laser beam is aimed at the titanium disc and the crosshair can be aligned with that particular point.

REF 090-525-00

1 piece

**Titanium disc**

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

REF 090-526-00

5 pieces



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.

For connecting the laser to the argon bottle.

- flow rate shown in liters

REF 090-404-00

1 assortment



Armrest cushion

For laser.

REF 090-513-10

2 pieces



Special tungsten electrodes

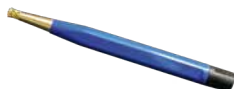
For OrthoPhaser®.

- special electrodes for all applications

ø: 0.6 mm

REF 090-401-00

10 pieces



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
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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	T 2 A
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 Assistant 3000

- button for continuous soldering
- LED display
- automatic voltage detection
- current limitation if electrode is incorrect
- power saving device (stand-by mode if not used for 10 minutes)
- error indications for:
 - overheating
 - 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	up to 2000 A
Welding stages	6 stages
Soldering stages	2 stages, continuous welding
Electric fuse	T 3:15 A
Power frequency	50–60 Hz
Weight	8 kg
Dimensions (W x H x D)	335 x 130 x 310 mm

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	up to 2200 A
Welding stages	stageless
Soldering stages	stageless, continuous welding
Electric fuse	T 3:15 A
Power frequency	50–60 Hz
Weight	8.2 kg
Dimensions (W x H x D)	335 x 130 x 310 mm



Welding units and accessories



Foot switch

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

REF 080-116-00

1 piece



Hand electrode

Suitable for all Dentaureum spot welding units.

REF 081-101-00

1 piece



Holder for hand electrode

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

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



Soldering carbon for hand electrode

Suitable for all Dentaureum spot welding units.

- copper casing

REF 081-601-00

1 piece



Electrode, notched, for hand electrode

Suitable for all Dentaureum spot welding units.

- for soft-annealing, tempering and welding

REF 081-501-00

2 pieces



Clamping electrode for hand electrode

Suitable for all Dentaureum spot welding units.

- for soft-annealing, tempering and welding

REF 081-701-00

1 piece

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
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Carbon insert

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

REF 085-400-00	10 pieces
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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



File

- for cleaning copper and carbon electrodes on spot welding units

REF 083-300-00

10 pieces



Heat protection

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

REF 380-070-00

100 g



Dentaflux® flux

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

REF 681-100-00

50 g

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
59.0	24.0	16.0

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
59.0	25.0	16.0

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



Crucible

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	T 1.6 A
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

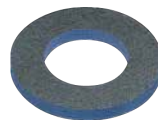
Ceramic seal

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**

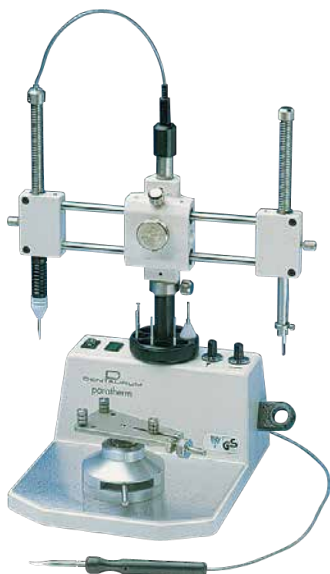
For autocast universal® casting machines.

REF 090-162-00

5 pieces



Surveying equipment and accessories



Paratherm Surveying, blocking-out and waxing unit

Advantages:

- flexible measuring movement with linearly guided sliding bars
- horizontal swiveling range of the two arms over the entire working area
- separate measuring and thermal blocking-out rods, vertically spring adjustable. All positions can be fixed in place.
- secure lockings
- thermal temperature can be regulated up to 140 °C / 284 °F
- replaceable tips
- heavy, rigid construction
- instrument storage holder
- connection for electric wax knife and holder (Potentiometer and socket)

Contents of delivery:

- 1 Paratherm with surveying and blocking-out arm
- 1 analyzing rod (REF 094-287-00)
- 1 graphite holder (REF 094-288-00)
- 10 replacement graphite markers (Graphite, REF 094-289-00)
- 4 undercut gauges 0.25 mm (REF 094-283-00), 0.35 mm (REF 094-284-00), 0.5 mm (REF 094-285-00), 0.75 mm (REF 094-286-00)
- 2 thermal blocking-out instruments 0° (REF 094-275-00), 2° (REF 094-277-00)
- 1 plastic cover
- 1 fuse

Please order model table (REF 086-340-00) and wax knife (REF 094-272-00) separately.

Power voltage	REF	Quantity
110/230/240 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

**Graphite holder**

For Paratherm and Paraline.

REF 094-288-00

1 piece

**Replacement graphite markers**

For Paratherm and Paraline.

REF 094-289-00

10 pieces

**Undercut gauge**

For Paratherm and Paraline.

Undercut	REF	Quantity
0.25 mm	094-283-00	1 piece
0.35 mm	094-284-00	1 piece
0.50 mm	094-285-00	1 piece
0.75 mm	094-286-00	1 piece

**Thermal 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
----------------	------



Blasting unit 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 abrasive**99.6 % aluminum oxide (corundum) Al_2O_3**

- hard, angular, wear-resistant particles for intense, fast cleaning action
- for removing investment in sandblasters
- for surface conditioning with metal surfaces

Color: white

Grain size	Grain size	REF	Quantity
50	44–74 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

Dentaaurum 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



Electric wax knife



Thermomat

Electric wax knife with transformer.

Included:

- handpiece with 1 wax knife (REF 089-602-00)
- 1 holder for wax knife (REF 089-615-00)

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

Modeling tip for the Thermomat

Designation	REF	Quantity
Wax knife, small	089-602-00	1 piece
Wax knife, large	089-605-00	1 piece
Modeling tip, fine	089-603-00	1 piece
Modeling tip, medium	089-604-00	1 piece
Modeling spoon	089-606-00	1 piece



Handpiece with cable

For Thermomat (REF 089-620-00).

REF 089-612-00	1 piece
----------------	---------



Model trimmer and accessories



Dual wheel model trimmer

For plaster models.

Coarse and fine corundum grinding wheels. Can be used on either side. Separately controlled motor switches with 450 W capacity. Individually controlled water pressure by a magnetic water valve. Work area with squaring and angulation devices.

Power voltage	REF	Quantity
230 V~	091-100-00	1 piece

Technical data

Output	2 x 450 W
Turning rotations	1400 min ⁻¹
Power frequency	50/60 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
----------------	---------

Pressure vessel and suction unit

Polyclav®

Pressure vessel for polymerizing 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).

Power voltage	REF	Quantity
230 V~	070-900-00	1 piece
115 V~	070-901-00	1 piece

**Technical data**

Output	125 W
Thermostat for water temperature	43 °C / 109.4 °F
Power frequency	50/60 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
-----------------------	---------

**Suction apparatus with charcoal filter**

For protection against vapor during processing of acrylics in the laboratory.

- controlled by a photoelectric sensor (automatic switch on/off)
- includes hour meter
- easy-change filter (replace the filter cartridge, REF 072-001-30, 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



Miscellaneous



Mini-Torch

Ignition and flame adjustment is easy and uncomplicated (automatic, with a flick of your finger). Refill as easy as filling a lighter. Adjustable nozzle.

GS certified.

Technical data

Max. temperature	1300 °C / 2372 °F
Filling quantity	65 ml
Weight	280 g

REF 097-400-01

1 piece



Mixing bowl for Airvac 2002

Stirring unit	Filling capacity investment material	Filling capacity plaster	REF	Quantity
large	900 g	700 g	095-062-00	1 piece
medium	500 g	400 g	095-063-00	1 piece
small	120 g	100 g	095-064-00	1 piece



Dust filter for Dentablast and Dentablast Duo

Field of use: when no suction is present

REF 094-538-00

1 piece

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Knowledge.

The key to success.



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SHOP**
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remanium® kompendium.

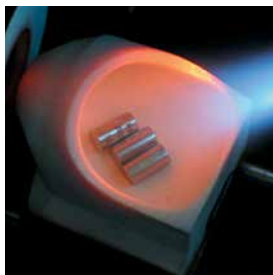
Compiled by dental technicians for dental technicians.



Both the apprentice and the experienced dental technician will find a wealth of valuable information on important aspects for the fabrication of non-precious metal restorations in the three-part remanium® kompendium series. The individual chapters of the remanium® kompendium complement one another but are nevertheless self-contained. Practical working stages are photo documented with the focus always on the picture statement. A brief description with highlighted advice and tips ensure a very appealing and useful reference book.

Order now:

Chapter 1: Crowns and bridges	out of print
Chapter 2: Cast partial dentures	REF 989-875-20
Chapter 3: Milling technique made of remanium® alloys	REF 989-474-20



Chapter 1: Crowns and bridges.

The first part of the remanium® kompendium describes the fabrication of crowns and bridges with particular reference to the different processing techniques in comparison to precious metal alloys. The numerous photographs illustrate the individual working stages for the reader including fabrication of a bridge framework, build-up of the ceramic and polishing of a full metal crown.

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

- 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 telescopic 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.



The unique reference for removable appliances.

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The atlas of removable orthodontic appliances.

The o-atlas presents the entire range of current removable appliance techniques. Even less commonly used techniques are included, making the o-atlas a comprehensive reference work. With numerous illustrations and individual photos combined with clear, relevant text, the o-atlas is an indispensable reference for anyone who wants to optimize treatment results.

- Over 750 photographs.
- Comprehensive reference work for the removable technique.
- 297 pages.
- Format: 22 x 30 cm

Order now:

Book – German

Book – English

Book – Spanish

out of print

REF 903-920-20

REF 903-920-40



Online reference book

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See how it works.

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- 20 video clips on processing Orthocryl®.
- Video clips on crowns, bridges and cast partial dentures.
- Presentation of new products.





Crowns and bridges



Cast partial denture



Orthocryl® LC acrylic system



Orthocryl® Acrylic system



Expansion Screws

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- Catalogs.
- Specialist publications.
- Patient information.
- Courses.
- Certificates.





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Social Media



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Appliance configurator.

Creating customized appliances on your smartphone.

Patient consultation done differently.

Design your own removable brace on your smartphone: choose from 14 colors, 6 kinds of glitter and 38 cool motives and put your favorites together. Or just shake your smartphone and see what design comes up. Then either send your design by email, share it on Facebook or simply file it on your phone. Take a look at some of the particularly trendy braces in the gallery.

The app is not only free of charge but also provides lots of entertainment and can be used during patient consultations. It's an absolute must-have for the modern dental practice.

Available in various languages.

The app is now available in German, English, Spanish, Chinese, Russian and Arabic.





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Courses and events.



Knowledge connects.



More than 20 years of high-quality education
in a modern environment.



Long-term course experience.

The CDC, established in 1996, stands for long-term experience in organizing and holding professional trainings and events. In 2016, CDC celebrated its 20th anniversary and has long established itself as a modern, forward-looking training center. The idea of passing on knowledge and offering courses goes back to the year 1910. Back then, courses were held on metal and porcelain techniques. Today, more than 100 different course subjects are on offer at CDC.

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 the great ambiance turn your course into an event.



Convincing quality.

On April 6, 1999, the CDC was the first training center to be successfully certified. Your positive feedback proves that our courses are highly appreciated.

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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.

Courses and events from the Dentaureum 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 Dentaureum 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.

Overview.



www.dentaurum.com



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Dentaurum service.

Added value – advice and support.



Conversion charts

Note:

- ∅ round
- ▣ rectangular

In addition to the metric measurements provided, the wires are also available with an additional description¹ in inches (DIN 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

1MPa	= 1 N/mm ²
1 N/mm ²	= 145.14 p. s. i.
1 p. s. i.	= 0.00689 N/mm ²

1 mg	= 0.0154 grain
1 g	= 1000 mg = 0.0353 oz
1 kg	= 1000 g = 2.2046 lb
1 ounce	= 28.35 g
1 pound	= 16 ounces = 0.4536 kg

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

FDI-System																											
	18	17	16	15	14	13	12	11		21	22	23	24	25	26	27	28										
R	8	7	6	5	4	3	2	1		1	2	3	4	5	6	7	8										
	8	7	6	5	4	3	2	1		1	2	3	4	5	6	7	8										
L	48	47	46	45	44	43	42	41		31	32	33	34	35	36	37	38										

mm Ø descr. ¹		Wire 1 kg	mm Ø descr. ¹		Wire 1 kg
0.10	4	16120 m*	0.60	24	448 m*
0.15	6	7150 m*	0.70	28	329 m*
0.20	8	4030 m*	0.80	32	251 m*
0.22	9	3335 m*	0.90	36	198 m*
0.25	10	2590 m*	1.00	40	161 m*
0.28	11	2055 m*	1.10	44	133 m*
0.30	12	1793 m*	1.20	48	112 m*
0.35	14	1315 m*	1.30	51	95 m*
0.40	16	1010 m*	1.40	55	82 m*
0.45	18	795 m*	1.50	59	71 m*
0.50	20	645 m*			

*We accept no responsibility for the accuracy of this information

inch	mm
1/64	0.0156
1/32	0.0312
1/16	0.0625
1/8	0.1250
3/16	0.1875
1/4	0.2500
5/16	0.3125
3/8	0.3750
1/2	0.5000
5/8	0.6250
3/4	0.7500
1	1.0000

°C	°F	°C	°F
-40	-40	110	230
-30	-22	120	248
-20	-4	130	266
-10	+14	140	284
0	+32	150	302
10	50	200	392
20	68	300	572
30	86	400	752
40	104	500	932
50	122	600	1112
60	140	700	1292
70	158	800	1472
80	176	900	1652
90	194	1000	1832
100	212	2000	3632

System International (SI)		
Basic size	Basic unit	Symbol
Length	meter	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	Ad
Thermodynamic temperature	kelvin	K
Luminous intensity	candela	cd
Amount of substance	mole	mol

1 at	= 0.981 bar = 0.981 x 10 ⁵ Pascal (Pa)
1 kp	= 9.81 Newton (N)
1 PS	= 0.746 kW
0 °C	= 273 Kelvin (K)

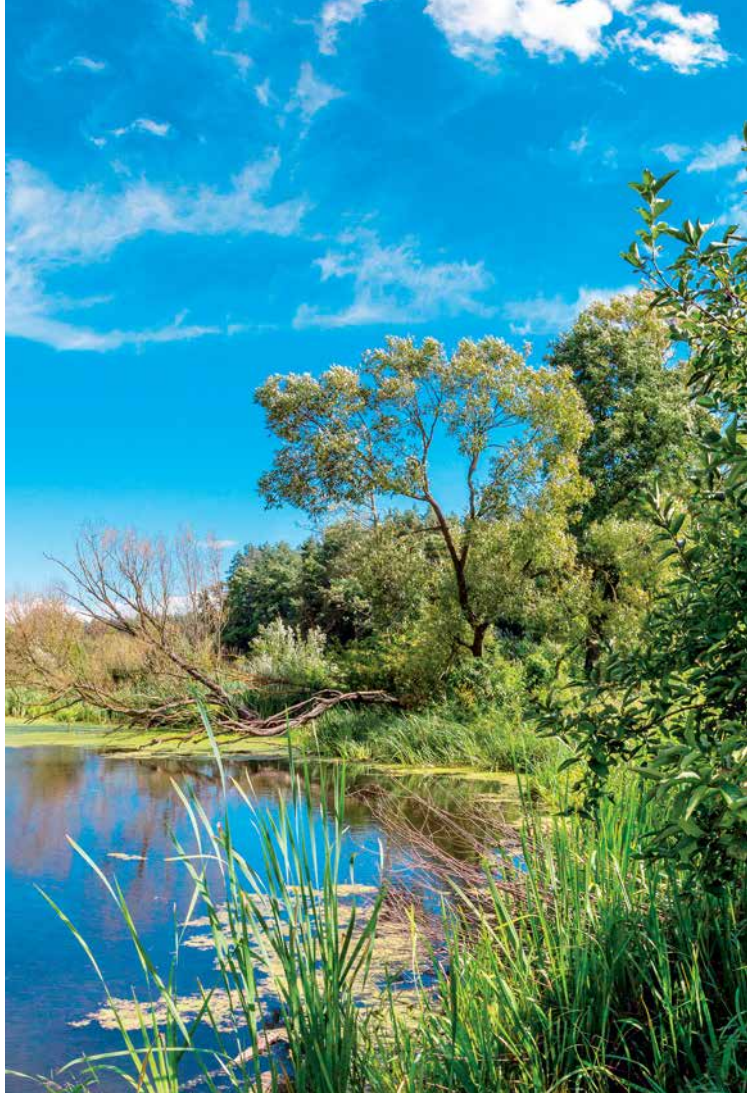
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
0.0254	0.001	0.4318	0.017	0.8382	0.033	1.2192	0.048	1.6256	0.064
0.0508	0.002	0.4572	0.018	0.8636	0.034	1.2446	0.049	1.6510	0.065
0.0762	0.003	0.4826	0.019	0.8890	0.035	1.2700	0.050	1.6764	0.066
0.1016	0.004	0.5080	0.020	0.9144	0.036	1.2954	0.051	1.7018	0.067
0.1270	0.005	0.5334	0.021	0.9398	0.037	1.3208	0.052	1.7272	0.068
0.1524	0.006	0.5588	0.022	0.9652	0.038	1.3462	0.053	1.7526	0.069
0.1778	0.007	0.5842	0.023	0.9906	0.039	1.3716	0.054	1.7780	0.070
0.2032	0.008	0.6069	0.024	1.0000	0.0394	1.3970	0.055	1.8034	0.071
0.2286	0.009	0.6350	0.025	1.0160	0.040	1.4224	0.056	1.8288	0.072
0.2540	0.010	0.6604	0.026	1.0414	0.041	1.4478	0.057	1.8542	0.073
0.2794	0.011	0.6858	0.027	1.0668	0.042	1.4732	0.058	1.8796	0.074
0.3048	0.012	0.7112	0.028	1.0922	0.043	1.4986	0.059	1.9050	0.075
0.3302	0.013	0.7366	0.029	1.1176	0.044	1.5240	0.060	1.9304	0.076
0.3556	0.014	0.7620	0.030	1.1430	0.045	1.5494	0.061	1.9558	0.077
0.3810	0.015	0.7874	0.031	1.1634	0.046	1.5748	0.062	1.9812	0.078
0.4064	0.016	0.8128	0.032	1.1938	0.047	1.6002	0.063	2.0000	0.0787

Environment.

Our contribution to nature.

The living standard 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. Dentaureum 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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