Catalogue

2017/2018

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### Appendix:

- Indication chart, material lists, opening and expansion parameters of VECTOR® expansion screws, measurement units, numeric table of contents by REF number.
In 1926, company founder and dentist Rudolf Scheu laid the foundation for SCHEU-DENTAL. We are proud of 91 years of company history, made in Germany. As family firm now in its third generation, we develop dental products and services, characterised by maximum precision. Our attention to detail has helped us to achieve market leadership in the fields of dental pressure moulding, sleep medicine and 3D printing and to play a key role in shaping the face of dental technology throughout the world. These achievements established worldwide confidence in our innovative ideas for new products.

Our key priority has remained the same: to deliver top quality on a daily basis with the help of a
team of well-trained and highly motivated staff. With the acquisition of smile dental some years ago SCHEU-DENTAL added another orthodontic specialist to its network, as well as CAD/CAM expert in the guise of CA DIGITAL.

See it for yourself and discover the wide range of products available from SCHEU-DENTAL in our new catalogue. Please feel free to contact our team in Iserlohn or your contact person in our field service. We are looking forward to your feedback – for in particular the insight in daily laboratory routines helps us to focus on the essential and to develop products that make your work easier.

Yours sincerely,
Christian Scheu
There is hardly a product so closely linked to the history of SCHEU-DENTAL as the BIOSTAR®. From the very beginning in 1967, it has been a benchmark in the pressure moulding technique and up this very day, its functional principle demonstrates its superiority in daily use.

The advancement of the following machine generations has been consistently pursued – in that same pioneering spirit: Since 1988, a processor unit and dash panel allow to manually program temperatures and heating and cooling times as well as to precisely supervise and control them. The implementation of scanning technology in 2009 was yet another logical step in order to facili-
tate and accelerate operation. Thanks to our short-wave, thermostatically-controlled infra-red heater that has been introduced in 2006, the working temperature is reached within only one second.

The BIOSTAR® is a synonym for our innovative strength and has been a part of SCHEU-DENTAL for 50 years now. What makes us particularly proud: many of our clients got along very well with the BIOSTAR® since the very beginning and are still working with models of the first or second generation. A clear proof of the top quality made in Germany we feel obliged to until today. Therefore our pressure moulding units are delivered with a three-year warranty and a ten-year warranty on availability of spare parts. A guarantee for the success of further generations – at SCHEU-DENTAL and in the practices and laboratories worldwide.
Perfection is a love for detail.

The realisation of complex precision constructions requires dexterity and experience. Therefore, many parts at SCHEU-DENTAL are still manufactured by hand, as this is the only way to ensure the greatest possible quality of the precision mechanical parts. The staff at our site and regular product controls according to the latest certification requirements guarantee that the company never deviates from this quality standard.
Perfection means bringing innovative strength and quality to life.

At our Research and Development department we come up with clever ideas designed to lighten the daily workload of the dental laboratory and practice. Our varied product family combines the latest discoveries with trusty therapeutic products that still demonstrate the innovative strength that inspired them.

From the CA® CLEAR ALIGNER splint system to our BIOSTAR® pressure moulding unit and our 3D printer family IMPRIMO®: we are always on the lookout for improvement and innovative ideas. Whether investigating the enhancement of resins or developing new products for treating snoring and sleep apnoea – our close cooperation with recognised
research institutes and universities gives rise to sophisticated quality products based on cutting-edge technology.

Today, in conjunction with our subsidiary company CA DIGITAL, we can offer you the complete range of digital services and products — with individual solutions for the CA® CLEAR ALIGNER treatment or the digitally planned lingual retainer MEMOTAIN®. As a founding member of Ortho Alliance®, an orthodontic alliance of four leading manufacturers in Germany, we are working on the specific development of digital processes and products in modern orthodontics to the benefit of both, clinician and patient.
Whether a query about setting up your SCHEU-DENTAL equipment such as the BIOSTAR® or a question relating to specific applications – our staff in the Sales and Customer Service Departments are on hand with expert advice at all times. We want you to take advantage of their sound practical guidance from the outset – a service that our customers can rely on whatever the problem. And this goes beyond your actual purchase: for some years now our SCHEU-ACADEMY offers training courses and seminars for dental clinicians and technicians at a regular basis,
from courses on CA®CLEAR ALIGNER and TAP® certification to our pressure moulding workshops and courses on digital orthodontics. Why not get acquainted with the latest developments in the practice and learn how to achieve even more professional results in the future? Discover our wide range of training courses and seminars for dental practices and laboratories at www.scheu-dental.com/scheu-academy. Or simply agree an appointment with our field sales team right away. We look forward to hearing from you!
Clasps and Bars
For us at SCHEU-DENTAL continuity and quality go hand in hand.

We have been manufacturing clasps for more than 90 years. Based on that experience, our range of clasps and bars has become a benchmark. Made of high-grade stainless steel alloys with excellent resistance to oral conditions, fabricated in a cutting and cold forming process, from one piece without soldering connections and with highly-polished surface. Our clasps are of excellent elasticity and stability – your patients can trust you.
Clasps and Bars

**O Clasp**
- O Clasp (Ø 0.9 mm)* #1002
- O Clasp (Ø 1.0 mm)** #1003

* 10/100 pieces, ** 10 pieces

**OK Clasp**
- OK Clasp (Ø 0.8 mm) #1007

10 pieces

**N Clasp**
- N Clasp (Ø 0.9 mm)* #1009
- N Clasp (Ø 1.0 mm)** #1010
- N Clasp (Ø 1.2 mm)** #1011

10/100 pieces, ** 10 pieces

**N BI-FORM Clasp**
- N BI-FORM Clasp (Ø 0.9/1.2 mm) #1012

10 pieces

**O Clasp**
- O Clasp (Ø 0.9 mm)* #1002
- O Clasp (Ø 1.0 mm)** #1003

* 10/100 pieces, ** 10 pieces

**OK Clasp**
- OK Clasp (Ø 0.8 mm) #1007

10 pieces

**N Clasp**
- N Clasp (Ø 0.9 mm)* #1009
- N Clasp (Ø 1.0 mm)** #1010
- N Clasp (Ø 1.2 mm)** #1011

10/100 pieces, ** 10 pieces

**N BI-FORM Clasp**
- N BI-FORM Clasp (Ø 0.9/1.2 mm) #1012

10 pieces
Clasps and Bars

**NK Clasp**
- NK Clasp (Ø 0.8 mm) #1013
  - 10/100 pieces

**T Clasp**
- T Clasp (Ø 0.9 mm) #1026
- T Clasp (Ø 1.0 mm) #1027
  - 10 pieces

**TK Clasp**
- TK Clasp (Ø 0.9 mm) #1029
- TK Clasp (Ø 1.0 mm) #1030
  - 10/100 pieces
SCHEU-Anchor

Unique retention and spring force! SCHEU-anchors consist of stainless steel alloys with excellent resistance to corrosion and oral conditions.

- SCHEU-anchor (Ø 0.6 mm)* #2048
- SCHEU-anchor (Ø 0.7 mm) #2049
- SCHEU-anchor (Ø 0.8 mm) #2050
- SCHEU-anchor (Ø 0.9 mm) #2051
- SCHEU-anchor (Ø 1.0 mm)* #2052
- SCHEU-anchor (Ø 1.2 mm)* #2053

10/100/1000 pieces* 10/100 pieces

J Clasp

- J Clasp (Ø 0.8 mm) #1017
- J Clasp (Ø 0.9 mm) #1018
- J Clasp (Ø 1.0 mm) #1019
- J Clasp (Ø 1.1 mm) #1047

10/100 pieces

J Clasp oblique

- J Clasp oblique (Ø 0.8 mm) #1020
- J Clasp oblique (Ø 0.9 mm) #1021
- J Clasp oblique (Ø 1.0 mm) #1022
- J Clasp oblique (Ø 1.1 mm) #1048

10/100 pieces (in pairs 5/50 left and right 5/50)

J M Clasp

- JM Clasp (Ø 1.2 mm) #1023

10 pieces
PROFI Bar

- PROFI bar straight (length 80 mm) #1040
- PROFI bar curved (length 80 mm) #1039
10 pieces

Jaw Fracture Splint

With 20 buttons. MRI incompatible

- Jaw fracture splint, hard (Ø 1.0 mm) #1038
- Jaw fracture splint, soft (Ø 1.0 mm) #1049
10 pieces

Lingual bar curved

Elliptical, hard stainless steel profile, anatomically curved with stamped retentions.

- Lingual bar, curved (length 60 mm) #1051
- Lingual bar, curved (length 70 mm) #1052
- Lingual bar, curved (length 80 mm) #1053
10 pieces
Our products are still unsurpassed!

Quality is not a question of size. End of the 1950ies, our first orthodontic product was the SCHEU-anchor – a retention element, still unsurpassed in terms of quality, workmanship and spring force. Today our orthodontic line is supplemented and enhanced by innovative products such as VECTOR® expansion screws and the CA® CLEAR ALIGNER splint therapy.
Orthodontics
SCHEU-Anchor
Unique retention and spring force! SCHEU-anchors consist of stainless steel alloys with excellent resistance to corrosion and oral conditions.

- SCHEU-anchor (Ø 0.6 mm)* #2048
- SCHEU-anchor (Ø 0.7 mm)* #2049
- SCHEU-anchor (Ø 0.8 mm) #2050
- SCHEU-anchor (Ø 0.9 mm) #2051
- SCHEU-anchor (Ø 1.0 mm)* #2052
- SCHEU-anchor (Ø 1.2 mm)* #2053

10/100/1000 pieces* 10/100 pieces

Arrow Clasp
Made of the nickel-free alloy MENZANIUM® in cold forming, with high-gloss polished surface. Excellent elasticity and breaking strength. Nickel trace elements from 0 to 0.2% are procedurally possible.

- Arrow clasp (Ø 0.7 mm) #2055
- Arrow clasp (Ø 0.8 mm) #2056

10/100 pieces

Triangle Clasp
Made of the nickel-free alloy MENZANIUM® in cold forming, with high-gloss polished surface. Excellent elasticity and breaking strength. Nickel trace elements from 0 to 0.2% are procedurally possible.

- Triangle clasp (Ø 0.7 mm) #2288
- Triangle clasp (Ø 0.8 mm) #2322

100/1000 pieces

Adams Clasp
Modified form for optimised retention and easy adjustment. Made of the nickel-free MENZANIUM® alloy – nickel trace elements of 0 to 0.2% are procedurally possible.

- Adams clasp (Ø 0.7 mm, width 6 mm) #2104
- Adams clasp (Ø 0.7 mm, width 7 mm) #2105
- Adams clasp (Ø 0.7 mm, width 8 mm) #2106
- Adams clasp (Ø 0.7 mm, width 9 mm) #2107
- Adams clasp (Ø 0.7 mm, width 10 mm) #2108
- Adams clasp (Ø 0.7 mm, width 11 mm) #2109

10/100 pieces
**Frontal guiding bars acc. to R. Hinz**

For treatment of Angle Class II cases (lower jaw retrusion/distal occlusion) by means of bimaxillary appliances as well as for bilateral upper jaw expansion in growing children using an expansion screw. Made of the nickel-free alloy MENZANIUM® – nickel trace elements from 0 to 0.2% are procedurally possible.

- Guiding bars * (Ø 1.2 mm, length 14 mm) #2329
- Guiding bars * (Ø 1.2 mm, length 18 mm) #2330

* 5/50 pairs

- Positioning support, 5 pieces #2331
  For insertion and alignment of guiding bars and expansion screws

- Angle Tester acc. to Adamik #2332
  For fixing and controlling the insertion angle

**Coffin spring**

Made of the nickel-free MENZANIUM® alloy – nickel trace elements of 0 to 0.2% are procedurally possible.

- Coffin spring (Ø 1.2 mm, length 11 mm) #2419
  10/100 pieces

**U-Bar acc. to Karwetzky**

Functional orthodontic appliance enabling the lower jaw to move in the required position depending on the type (1-3). U-bars acc. to Karwetzky consist of stainless steel alloys with excellent resistance to corrosion and oral conditions.

- U-Bar acc. to Karwetzky #2118
  * 5/50 pairs
**MENZANIUM®**

MENZANIUM® is a nickel-free stainless steel alloy, fabricated in a patented high pressure melting process replacing allergenic components of nickel by manganese and nitrogen. Compared to conventional stainless steel wires, corrosion resistance and breaking strength are increased. Wire is available in two versions hard (1400-1600 N/mm²) and spring hard (1800-2000 N/mm²).

Nickel trace elements from 0 to 0.2 % are procedurally possible.

**MENZANIUM® Coil wire**

Our MENZANIUM® coil wires are diamond drawn and high-gloss polished. Processing by joining techniques such as laser-welding and welding. Measurements, tolerances and quality in accordance with DIN EN ISO 15841.

**MENZANIUM® Wire rods**

Our MENZANIUM® wire rods, elongated and aligned.

**Breakdown potential for wires from the group of iron alloys**

Electrochemical study of corrosion properties of orthodontic auxiliaries in artificial saliva (reference electrode Ag / AgCl, feed rate: 1m V/sec).

CHROMIUM Coil wire

CHROMIUM coil wires are diamond-drawn and high-gloss polished. Processing by joining techniques such as laser-welding and welding. Measurements, tolerances and quality in accordance with DIN EN ISO 15841. Wire is available in two versions hard (1400-1600 N/mm²) and spring hard (1800-2000 N mm²).

<table>
<thead>
<tr>
<th>Versions</th>
<th>hard</th>
<th>spring hard</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 mm</td>
<td>.020 inch</td>
<td>50 m</td>
</tr>
<tr>
<td>0.6 mm</td>
<td>.024 inch</td>
<td>40 m</td>
</tr>
<tr>
<td>0.7 mm</td>
<td>.028 inch</td>
<td>30 m</td>
</tr>
<tr>
<td>0.8 mm</td>
<td>.032 inch</td>
<td>20 m</td>
</tr>
<tr>
<td>0.9 mm</td>
<td>.036 inch</td>
<td>10 m</td>
</tr>
<tr>
<td>1.0 mm</td>
<td>.040 inch</td>
<td>(10 m)</td>
</tr>
<tr>
<td>1.1 mm</td>
<td>.044 inch</td>
<td>(10 m)</td>
</tr>
<tr>
<td>1.2 mm</td>
<td>.048 inch</td>
<td>(10 m)</td>
</tr>
<tr>
<td>1.5 mm</td>
<td>.059 inch</td>
<td>(36 m)</td>
</tr>
</tbody>
</table>

only as clinic coil
only as laboratory coil

Chromium Wire rods:

Our Chromium wire rods, elongated and aligned.
STEADY-RESIN S
Cold-curing resin for the "salt and pepper" technique. This polymer meets the requirements of the "salt and pepper" technique, such as high stability and optimum wettability.

- STEADY-RESIN Neon monomers #8134
  1 kg

STEADY-RESIN M
Cold-curing resin for the "premix" technique. Characterised by a wide processing range and excellent modelling properties.

- STEADY-RESIN M Polymer #8135
  1 kg

STEADY-RESIN VARIO
Cold-curing resin for orthodontics with prolonged processing time, can be used both for "salt and pepper" and for the modelling techniques.

- STEADY-RESIN VARIO Polymer #8140
  1 kg

STEADY-RESIN S+M
Universal monomer, can be processed with all STEADY-RESIN polymer versions. The clear monomer can be mixed with STEADY-RESIN coloured monomers.

- STEADY-RESIN S+M (monomer) clear #8136
- STEADY-RESIN S+M (monomer) pink #8137
  500 ml

Bottle Spout
Reusable

- Bottle Spout #8149
  1 piece


STEADY-RESIN Polymer

Pre-mixed polymer in two colours. Innovative pigments provide contrasting effects.

- STEADY-RESIN Polymer black #8130
- STEADY-RESIN Polymer white #8131

200 g

Mica

For individual use with STEADY-RESIN and DURASPLINT® polymer. Blends rainbow, rainbow green and rainbow violet are completely metal-free and ensure iridescent effects in delicate pastel shades.

- Mica silver #8144
- Mica gold #8145
- Mica blue #8146
- Mica red #8147
- Mica green #8148
- Mica rainbow #8150
- Mica rainbow green #8151
- Mica rainbow violet #8152

50 g

STEADY-RESIN Neon monomers

Ready-to-use coloured neon monomers for use with STEADY-RESIN S, M and VARIO as well as DURASPLINT® polymer. For streak-free and translucent results.

- STEADY-RESIN Neon monomers neon pink #8350
- STEADY-RESIN Neon monomers neon red #8357
- STEADY-RESIN Neon monomers neon yellow #8358
- STEADY-RESIN Neon monomers neon green #8359
- STEADY-RESIN Neon monomers neon blue #8360
- STEADY-RESIN Neon monomers neon orange #8361

100/250 ml

STEADY-RESIN Coloured monomers

Ready-to-use coloured STEADY-RESIN monomers for use with STEADY-RESIN S, M and VARIO as well as DURASPLINT® polymer.

- STEADY-RESIN Coloured monomers blue #8351
- STEADY-RESIN Coloured monomers yellow #8352
- STEADY-RESIN Coloured monomers red #8353
- STEADY-RESIN Coloured monomers black #8354
- STEADY-RESIN Coloured monomers green #8355
- STEADY-RESIN Coloured monomers violet #8356

100/250 ml
Orthodontic insulating agent
Alginite insulation for plaster models. Single apply provides optimum insulation.

- Orthodontic insulating agent
  - #8364
  - 500 ml

RESIMIX®
Original mixing cups of clear silicone, stable by strong suction base. Very practical pouring spout for medium and large version.

- RESIMIX® 5 ml, 3 pieces
  - #7243
- RESIMIX® 30 ml, 2 pieces
  - #7284
- RESIMIX® 70 ml, 1 piece
  - #7244

3D Model insulation
Insulation for 3D models when processing cold-curing resin, such as STEADY-RESIN S. Application with enclosed brush provides optimum insulation. 3D Model insulation is suitable for 3D models generated with 3D printers.

- 3D Model insulation
  - #6510
  - 65 ml

Silicone tube
For covering clasp wires.

- Silicone tube
  - inner: Ø 1.0 mm, outer: Ø 2.0 mm
  - #3211
  - 1 m
Spray bottle / spray nozzles
Spray bottle with dosing tip and cap is suitable for both monomer and polymer. Perfect dosing by piercing the tip with a needle.

Metal spray nozzles available optionally for easier dosing of polymer and monomer. Nozzles can be mounted on spray bottles.

- Spray bottle 100 ml, 1 piece #8141
- Spray nozzles (monomer), 5 pieces #8138
- Spray nozzles (polymer), 5 pieces #8139

Ortho designs
Monomer-resistant film images to insert in orthodontic plates or pressure moulding material.

- Assortment of film images, 400 pieces #8142
- Assortment of film images, 20 pieces #8143

*please indicate desired motif

Retainer boxes
For orthodontic appliances or BIOPLAST® sports mouth guards. Available in blue, yellow, green, red and violet.

- Retainer boxes (5 colours, 2 each) #5435
  10 pieces
**VECTOR® 30**
Special miniaturised sector screw with bright yellow directional arrow for single tooth movements.

To ensure safe anchorage, retention wires (CHROMIUM Ø 0.8 mm, not included) can be individually inserted and adjusted.

Can also be used in the CA® CLEAR ALIGNER technology for oblique-lateral segment expansion acc. to Dr. Pablo Echarri in conjunction with the CA® Arch CHROMIUM and two VECTOR® 30 screws.

- **VECTOR® 30**  #2484  
  W x H x L: 4.8 × 2.6 × 9.5 mm, expansion 3.0 mm

2/10 pieces, incl. 2/10 keys for expansions screws

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**VECTOR® 40 acc. to Prof. Hinz**
A special miniaturised screw for fabrication of CA® splints, allowing activation and rapid transversal expansions (up to 3 mm). The retention arms allow safe anchorage on the CA® splints using cold curing resin. With laser-welded directional arrow.

- **VECTOR® 40**  #2486  
  W x H x L: 3.6 × 2.5 × 19 mm, expansion 3.0 mm

10/50 pieces

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**VECTOR® 50**
Skeletal miniaturised expansion screw with bright yellow directional arrow for transversal expansion in the lower jaw, also for narrow upper jaws.

- **VECTOR® 50**  #2489  
  W x H x L: 4.8 × 2.5 × 10.0 mm, expansion 3.0 mm

10/50 pieces
**VECTOR® 80**
Skeletal expansion screw with bright yellow directional arrow for transversal expansion of the lower jaw. Additional bore hole ensures excellent retention in acrylics.

- **VECTOR® 80**
  W x H x L: 7.0 x 3.1 x 14.3 mm, expansion 7.5 mm

**VECTOR® 90 / VECTOR® 100**
Skeletal expansion screw with bright yellow directional arrow for transversal expansion of the lower jaw. For treatment of Angle Class II cases we recommend using VECTOR® 100 in combination with VECTOR® 900.

- **VECTOR® 90**
  W x H x L: 6.2 x 3.0 x 10.0 mm, expansion 4.0 mm
- **VECTOR® 100**
  W x H x L: 6.2 x 3.0 x 12.0 mm, expansion 5.0 mm

**VECTOR® 140 / VECTOR® 160**
Skeletal expansion screw with bright yellow directional arrow for transversal and sagittal expansion in the upper and lower jaw.

- **VECTOR® 140**
  W x H x L: 7.5 x 3.3 x 12.0 mm, expansion 5.0 mm
- **VECTOR® 160**
  W x H x L: 7.5 x 3.3 x 14.3 mm, expansion 6.0 mm

**VECTOR® 190 / VECTOR® 200**
Stable, skeletal expansion screw with bright yellow directional arrow for transversal expansion of the upper jaw and bimaxillary appliances. Additional bore hole ensures excellent retention in acrylics.

- **VECTOR® 190**
  W x H x L: 9.8 x 3.1 x 10.0 mm, expansion 5.0 mm
- **VECTOR® 200**
  W x H x L: 9.8 x 3.1 x 14.3 mm, expansion 7.5 mm
VECTOR® 350
Skeletal miniaturised sector expansion screw with bright yellow directional arrow for single tooth and segment movement in the upper and lower jaw.

- VECTOR® 350 #2509
  W x H x L: 4.8 x 2.5 x 10.0 mm, expansion 4.0 mm
  10/50 pieces

VECTOR® 400
Delicate skeletal sector expansion screw with bright yellow directional arrow. Can also be used for single tooth movements.

- VECTOR® 400 #2510
  W x H x L: 6.2 x 3.0 x 11.0 mm, expansion 3.0 mm
  10/50 pieces

VECTOR® 420
Delicate skeletal sector expansion screw with bright yellow directional arrow. Can be used for distalisation and for single tooth movements.

- VECTOR® 420 #2512
  W x H x L: 6.0 x 3.0 x 13.0 mm, expansion 5.0 mm
  10/50 pieces

VECTOR® 440
Delicate skeletal sector expansion screw with bright yellow directional arrow, allowing distalisation.

- VECTOR® 440 #2514
  W x H x L: 6.0 x 3.0 x 13.3 mm, expansion 5.0 mm
  10 pieces
VECTOR® 440 R
Delicate skeletal sector expansion screw with bright yellow directional arrow for single tooth or segment movement.

- VECTOR® 440 R #2513
  W x H x L: 6.0 x 3.0 x 13.3 mm, expansion 5.0 mm
  10 pieces

VECTOR® 450
Skeletal sector expansion screw with limit stop. Prevents the screw from breaking after maximum expansion, reactivation is possible.

- VECTOR® 450 #2515
  W x H x L: 7.0 x 2.8 x 13.0 mm, expansion 4.0 mm
  10/50 pieces

VECTOR® 460
Skeletal sector expansion screw in stronger version with bright yellow directional arrow.

- VECTOR® 460 #2516
  W x H x L: 7.5 x 3.3 x 13.0 mm, expansion 5.0 mm
  10 pieces

VECTOR® 500 / VECTOR® 520
Traction screw for space closure with black directional arrow on the housing.

- VECTOR® 500 #2520
  W x H x L: 6.2 x 3.0 x 13 mm, traction 3.0 mm
- VECTOR® 520 #2522
  W x H x L: 6.2 x 3.0 x 18.0 mm, traction 5.0 mm
  10 pieces
VECTOR® 600* / VECTOR® 620*
Special screw for rapid palatal expansion. The anatomically bent retention arms are soldered or welded onto molar bands. The specially designed housing profile fits perfectly to the palatal vault. The integrated polyamide bush prevents accidental resetting of the screw. Laser-welded marking for direction and expansion on the housing. Comes with security expansion key.

- VECTOR® 600
  - W x H x L: 10.4 x 4.0 x 14.0 mm, expansion 9.0 mm
- VECTOR® 620
  - W x H x L: 10.4 x 4.0 x 16.0 mm, expansion 11.0 mm

1/10 pieces

VECTOR® 720 acc. to Bertoni
Special Bertoni screw for insertion in multi-sector plates, enabling separate protrusion and symmetric transversal expansion by two independently operating spindles.

- VECTOR® 720
  - W x H x L: 17.0 x 3.6 x 15.7 mm
  - frontal expansion: 5.5 mm
  - transversal expansion: 7.0 mm

2 pieces

VECTOR® 730 acc. to Bertoni
Special Bertoni screw for insertion in multi-sector plates, enabling separate protrusion and symmetric or asymmetric transversal expansion by three independently operating spindles.

- VECTOR® 730
  - W x H x L: 17.0 x 3.6 x 15.7 mm
  - frontal expansion: 5.5 mm
  - transversal expansion: 2 x 3.5 mm

2 pieces

*Not suitable for surgically assisted rapid palatal expansion.
Protect screw body from excessive heat that might damage the integrated polyamide bushing and cause jamming.
**VECTOR® 740 acc. to Bertoni**
Special Bertoni screw for insertion in multi-sector plates, enabling separate protrusion and symmetric or asymmetric transversal expansion by three independently operating spindles.

- **VECTOR® 740**
  - W x H x L: 15.0 × 5.0 × 15.0 mm
  - Frontal expansion: 2.5 mm
  - Transversal expansion: 5 mm

2 pieces

**VECTOR® 750 acc. to Bertoni**
Special Bertoni screw in modified, angled and delicate version for insertion in multi-sector plates, enabling separate protrusion and symmetric or asymmetric transversal expansion by three independently operating spindles. For bilateral expansion.

- **VECTOR® 750**
  - W x H x L: 15.0 × 5.0 × 15.0 mm
  - Frontal expansion: 2.5 mm
  - Transversal expansion: 2 x 2.5 mm

2 pieces

**VECTOR® 800* / VECTOR® 820**
Special miniaturised screw for distraction of the lower jaw using stable retention arms of 60 mm length. With laser marking on housing.

- **VECTOR® 800**
  - W x H x L: 7.0 × 3.3 × 16.5 mm, expansion 9.0 mm
- **VECTOR® 820**
  - W x H x L: 7.0 × 3.3 × 18.5 mm, expansion 11.0 mm

1/5 pieces with security key for expansion screws

*Not suitable for surgically assisted rapid palatal expansion.*
**VECTOR® 900**
Screw for protrusive double plate for treatment of Angle Class II cases (lower jaw retrusion/distal occlusion) as well as for bilateral expansion of the upper jaw in growing children.
Compact design with integrated expansion screw, comes with integrated key for expansion screws and SD box. For lower jaw we recommend the combined use with VECTOR® 100.

- **VECTOR® 900**
  - W x H x L: 14.0 x 20.0 x 13.0 mm, expansion 5.0 mm
- **Angle tester acc. to Adamik**
  - For fixing and controlling the insertion angle
  - 1 piece

**VECTOR® Piston screw assortment**
Stainless steel screw for single tooth movement during orthodontic treatment with removable appliances. Three different screw lengths allow large protrusion by a constant and precisely controlled amount of pressure on the tooth.

- **Piston screw 4 mm**, 5 pieces
- **Piston screw 6 mm**, 5 pieces
- **Piston screw 8 mm**, 5 pieces
- **Serrated housing nut**, 5 pieces

**Accessories**
- **Mounting screw**, 5 pieces
- **Reamer**, 1 piece
- **Screwdriver F**, 1 piece
- **Screwdriver M**, 1 piece
Key for expansion screws
For precision adjustment of VECTOR® expansion screws.
- Key for expansion screws
  - #2101
- Key for expansion screws, angled *
  - #2130
10/100 pieces, * 10 pieces

Security key for expansion screws
Suitable for HF 5, HF 9 and HF 15 telescopes of IST® devices and for all types of rapid palatal screws.
- Security key for expansion screws
  - #2100
10 pieces

Activation key:
Activation key for TAP®-T and TAP®-T Reverse protrusion adjustment device. Can also be used for IST® hexagon screws.
- Activation key
  - #9035
1 piece

Screwdriver F*
To activate VECTOR® piston screw.
- Screwdriver F
  - #2483
1 piece

Screwdriver M*
For VECTOR® mounting screw.
- Screwdriver M
  - #2083
1 piece

* The screwdriver is not a medical device and is not suitable for use in the mouth.
Orthodontics

Set-Up plaster
White formaldehyde-free plaster offers best conditions for use in general orthodontics and the CA® CLEAR ALIGNER technology.

Technical data according to DIN EN ISO 6873:
- Compressive strength after 24 hours 65 MPa
- Expansion after 2 hours < 0.09%

- Set-Up plaster #5266
  2.5/5.0 kgs

Set-Up separating disc
With stable mesh layer, comes with mandrel with reinforced shank (Ø 40 mm).

Application
- Hard plaster, ceramics, precious metal, NEM

- Set-Up separating disc with mandrel, 0.5 mm #5293
  1 piece

Set-Up trimmer
Special carbide bur for drilling and vertical cuts

- Set-Up trimmer #5371
Set-Up wax blocks
Fast-melting wax for transpositions in orthodontics.

- Set-Up wax blocks, red #5368
  3 blocks of 50 g

Set-Up wax rods
Soft Set-Up wax with good adhesion properties.

- Set-Up wax rods, opaque #5268
  25 rods of approx. 1.2 g

Set-Up manual saw
The angled bar allows precise and controlled separation of the individual tooth segments.

- Set-Up manual saw #5372
- Set-Up saw blades* #5373
  \((W \times H \times L: 0.15 \times 2.0 \times 75.0 \text{ mm})\)
- Set-Up saw blades* #5379
  \((W \times H \times L: 0.20 \times 2.0 \times 75.0 \text{ mm})\)
  10 pieces

BIOPERM-trimmer / POLYFIX
For grinding and finishing soft-elastic and sandwich material. BIOPERM-trimmer in blue, POLYFIX in brown.

- BIOPERM trimmer, 2 pieces #3226
- POLYFIX on mandrel, 1 piece #3371
- POLYFIX without mandrel, 6 pieces #3372
BLUE-BLOKKER®
Light-curing, blue-transparent blocking-out and modelling putty with optimum flow properties. For fabrication of space holders for bleaching splints and medical trays as well as for sealing and blocking Set-Up models. Burns without leaving any residue, can therefore also be used in prosthetics for the fabrication of fixed and removable prostheses. Telescopic models are stable and can be withdrawn without tension. Curing in the wavelength range of 380-470 nm.

Diamond separating disc
Diamond coated on both sides (thickness 0.28 mm) for very precise saw cuts on set-up models and for finishing splints.

- Diamond separating disc
  mounted on mandrel, Ø 22 mm

Diamond separating disc #5288

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BLUE-BLOKKER®
4 x 1.5 g, 2 cannula (Ø 0.6) and 8 cannula (Ø 0.9)

- cannula* (Ø 0.4 mm) #5277
- cannula* (Ø 0.6 mm) #5264
- cannula* (Ø 0.9 mm) #5278

*5 pieces
Hinge system acc. to Herbst*  
For treatment of class II cases, for soldering or welding on cast or ready-made bands. Without limit stop.

- Set: 1 pair of hinges and 4 pairs of fastening elements incl. hexagon socket screws #5479
- 4 pairs of fastening elements incl. hexagon socket screws #5455
- Set 1: pair of hinges and 4 pairs of fastening elements incl. slotted screws #5480
- 4 pairs of fastening elements incl. slotted screws #5456
- 1 pair of hinges #5478

Distance rings  
When fabricating Herbst* appliances, distance rings can be slid onto connecting rods, enabling progressive re-activation.

- 1 mm #5481
- 2 mm #5482
- 3 mm #5483
- 4 mm #5484
- 5 mm #5485

10 pieces, inner diameter 2.0 mm

* Herbst is a registered trademark of Dentaurum GmbH & Co KG, Ispringen.

Hinge 44 with slotted screw  
For treatment of class II cases with removable or cemented splints. Laser-welded retention (44 mm) ensures secure anchorage in the splints. Without limit stop.

- 1 pair of hinges and 4 pairs of fastening elements #5490
- 4 pairs of fastening elements #5489

1 pair of hinges #5478
4 pairs of fastening elements #5456
1 pair of hinges #5478
**ORTHOFIT®-Line**

Inner bow with pre-bent U-loops and outer bow in five sizes. Same length of outer and inner bow for optimised power projection. Marked with coloured ring.

- Size 1 red #2453
- Size 2 green #2454
- Size 3 yellow #2455
- Size 4 blue #2456
- Size 5 white #2457

<table>
<thead>
<tr>
<th>Size</th>
<th>Rod length*</th>
<th>Height inner bow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>120 mm</td>
<td></td>
</tr>
<tr>
<td>Size 1</td>
<td>83 mm</td>
<td>26.0 mm</td>
</tr>
<tr>
<td>Size 2</td>
<td>90 mm</td>
<td>28.0 mm</td>
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<tr>
<td>Size 3</td>
<td>97 mm</td>
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<tr>
<td>Size 4</td>
<td>104 mm</td>
<td>35.0 mm</td>
</tr>
<tr>
<td>Size 5</td>
<td>111 mm</td>
<td>39.5 mm</td>
</tr>
</tbody>
</table>

* Rod length = stretched length of the inner bow with U-loops.

**ORTHOFIT®-Anatomic**

Standard inner bow with two outer bows of different lengths. Marked with coloured ring.

- Anatomic short red #2450
- Anatomic standard blue #2451

**ORTHOFIT® Face bows**

Face bow made of stainless steel. Inner and outer bow (Ø 1.8 mm) double-sided laser welded. Permanent centre marking and coloured rings to identify the size. Inner bow made of one piece. Outer bow available in short and standard with bent outer loops and standard inner bow or U-loops (Ø 1.15 mm, .045”) in five sizes. The bent outer loops with 16 degree angle provide optimal power transmission.

Wire ends of outer loops are laser deburred.
**Face bows**

Face bow made of high-gloss polished stainless steel. Inner and outer bow (Ø 2.0 mm) double-sided laser welded. Permanent centre marking and coloured caps to identify the size. Inner bow made of one piece. Available with regular or short outer bow with bent outer loops as well as standard inner bow or U loops in five sizes.

Wire ends of outer loops are laser deburred.

<table>
<thead>
<tr>
<th>Size</th>
<th>Rod length*</th>
<th>Height inner bow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>120 mm</td>
<td>26.0 mm</td>
</tr>
<tr>
<td>Size 1</td>
<td>84 mm</td>
<td>26.0 mm</td>
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<td>Size 2</td>
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<tr>
<td>Size 3</td>
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<tr>
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<td>103 mm</td>
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<tr>
<td>Size 5</td>
<td>112 mm</td>
<td>39.5 mm</td>
</tr>
</tbody>
</table>

* Rod length = stretched length of the inner bow with U-loops.

**Face Bow, high-gloss polished**

Stainless steel version with high-gloss polish, stable double-sided laser welding. One-piece inner bow and regular or short outer bow with coloured protection caps. Sizes 1–5 are fitted with loops of 15° torque.

- Standard, short white #2439
- Standard, regular white #2119
- Size 1, regular yellow #2334
- Size 2, regular blue #2335
- Size 3, regular black #2336
- Size 4, regular green #2337
- Size 5, regular red #2338
**Activator tubes acc. to Teuscher**
Polymerisable fixation for face-bows.

- **Activator tubes**
  - #2436
  - Inner diameter: 1.15 mm/.045”

- **Activator tubes**
  - #2434
  - Inner diameter: 1.30 mm/.051”

10 pieces

---

**Activator tubes**
For insertion of face bows in individually curved Adams clasps, double-sided stable laser welding.

- **Activator tubes (length 6.0 mm)**
  - #2472
  - Inner diameter: 1.15 mm/.045”
  - Wire: 1.0 mm h / 125 mm length

- **Activator tubes (length 6.0 mm)**
  - #2471
  - Inner diameter: 1.15 mm/.045”
  - Wire: 0.8 mm sh/125 mm length

- **Activator tubes (length 4.5 mm)**
  - #2470
  - Inner diameter: 1.15 mm/.045”
  - Wire: 0.7 mm sh/125 mm length

10 pieces

---

**Symmetry measurement gauge**
6 mm acrylic glass plate with mounting pins for exact positioning on the raphe palati. 2 mm grid allows precise determination of sagittal and transversal asymmetries of dental arc length and width.

- **Symmetry measurement gauge**
  - #8431
  - 1 piece
Quad Helix
Ready-made expansion arch from CHROMIUM wire (Ø 0.9 mm) for fixation at the upper molars in palatal sheaths. Available in straight and curved.

- Quad Helix Size 1, straight sheath #8010
- Quad Helix size 1, curved sheath #8011
- Quad Helix size 2, straight sheath #8020
- Quad Helix size 2, curved sheath #8021
- Quad Helix size 3, straight sheath #8030
- Quad Helix size 3, curved sheath #8031

5 pieces

<table>
<thead>
<tr>
<th>Size</th>
<th>straight</th>
<th>curved</th>
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</thead>
<tbody>
<tr>
<td>8010</td>
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<td>10</td>
</tr>
<tr>
<td>S</td>
<td>5.5–5</td>
<td></td>
</tr>
</tbody>
</table>

S = dimension sheath

Lingual/palatal sheaths
Stainless steel sheaths for soldering or laser-welding on molar bands. Available in straight and curved.

- Lingual/palatal sheath, straight #8080
- Lingual/palatal sheath, curved #8081

5 pieces
CARAT® Wire bending pliers
Pliers made of high quality stainless steel alloy with exactly machined tool tips and precisely guided sheaths. Ergonomic design with rounded edges for fatigue-free working.

CARAT® Crampon pliers
Pin and wire cutting and bending pliers with chequered and crenate tips, suitable for hard (Ø up to 1.2 mm) and soft wires (Ø up to 1.5 mm).

CARAT® Flat Pliers
Flat needle-nose pliers according to Marburg model with delicate chequered guiding tips.

CARAT® Young pliers
Loop and arch bending pliers with multiple crenate tips for labial arches and hard wire (Ø up to 0.9 mm).
CARAT® Angle pliers (HM)
Carbide wire bending pliers with a square and a round tip (tungsten carbide), for wires up to 0.7 mm diameter.

CARAT® Aderer pliers large
Aderer wire bending pliers, three prong with reinforced plier tips, for wires up to 0.9 mm diameter.

CARAT® Aderer pliers medium
Aderer wire bending pliers, three prong with reinforced plier tips, for wires up to 0.7 mm diameter.

Ortho arch bender
Bending aid of aluminium with 11 different radii for bending round wire (Ø 0.5 - 1.5 mm) and square wires (Ø up to 0.8 mm / 0.31”).
ECHARRI Ceph template
Blue template, used for cephalometric measurements, plaster cast study, clinical examination in the CA® CLEAR ALIGNER treatment as well as in other orthodontic treatments.

- ECHARRI Ceph template #8432
  1 piece

ECHARRI Arch template
Red template, used to measure the length of the dental arch, visualising the deviation from the ideal arc by overlay. Can also be used in the fixed orthodontic treatment for adapting arches.

- ECHARRI Arch template #8433
  1 piece

ECHARRI VTO template
Green template, used for orthodontic or surgical VTO (Visualised Treatment Objective).

- ECHARRI VTO template #8434
  1 piece

ECHARRI Template kit
Comes with ECHARRI Ceph template, ECHARRI Arch template and ECHARRI VTO templates well as detailed instructions.

- ECHARRI template kit #8435
  1 piece
**CETRON® Cleansing powder**
Mild powder for long lasting care and cleansing of orthodontic plates, splints, dentures and sports mouth guards. To dissolve in 150 ml of water.

- **CETRON® cleansing powder** #3239
  5/25/250 bags

**CETRON® Cleansing spray**
Care and cleansing of splints, dentures, orthodontic plates, mouth guard and snoring appliances. Fresh lemon taste reduces typical monomer taste, ensuring highly polished appliances and high wearing comfort at the same time.

- **CETRON® Cleansing spray, 75 ml** #3238
  75 ml

**CETRON® Care set**
Care and cleansing of splints, dentures, orthodontic plates, mouth guard and snoring appliances.

- **CETRON® care set** #3236
  incl. cleansing box, brush and 5 bags CETRON® cleansing powder of 15 g
  1 piece
CA® CLEAR ALIGNER

The right concept for every demand.

Many things are different with CA® CLEAR ALIGNER, the form of the splint, the material thickness... But the most essential difference: It’s up to you to decide – holding the complete value creation in your hands or calling for the services of CA DIGITAL. CA® CLEAR ALIGNER leaves you all the options.

More than 200,000 patients have been successfully treated with CA® CLEAR ALIGNER – a significant number and above all a wide diversity of experience.

www.ca-clear-aligner.com
www.ca-digit.com
The complete value creation in your hands. The individual components of the CA® CLEAR ALIGNER system give you the opportunity to carry out the treatment from diagnosis to therapy planning, fabrication of set-up models until the final splint fabrication and activation in your practice or own laboratory. The necessary equipment consists of the pressure moulding devices MINISTAR S® or BIOSTAR®, the CA® foils in soft, medium and hard, the software CA® SMART 2D including web cam, CA® photo support and CA® CHECKER.

Interested in getting started with digital splint therapy? You’ll find your ideal partner with CA DIGITAL, a service provider offering you the complete range of digital treatment solutions. Whether you prefer receiving printed models of digitally planned set-ups in order to carry out the fabrication of the splints yourself or if you want to order digital planning including splint fabrication: CA DIGITAL is your individual partner for all your requirements.

The 3-Splint-System

Three material thicknesses worn during four weeks for a unique and beautiful smile: during each treatment step, the patient wears three splints of various thicknesses. Thanks to the steady increase in pressure, teeth are efficiently, yet smoothly aligned – with extraordinary comfort. The special design with additional covering of the gingival margin (2-3 mm) increases power transmission and ensures even more efficiency in treatment.
CA® CLEAR ALIGNER: a global success story.

The CA® CLEAR ALIGNER therapy system is mentored by an international board of experienced specialists from science and technology, contributing their expertise in orthodontics, dental technology and material science. This expert panel chaired by Dr. Pablo Echarri is in constant contact to share new findings in seminars, workshops and technical articles with CA® users.

- more than 2,500 certified orthodontists
- more than 200 certified laboratories
- 17 years of clinical experience
- more than 200,000 CA® treatment cases

Extensive support in every respect.

Professional
Actual case studies of our international specialists are regularly published as CA® Clinical Paper at www.ca-clear-aligner.com/en/b2b/indikationen. New findings in treatment planning are recorded in clinical protocols and shared with our certified CA® partners.

Personal
Our CA® partners are consistently encouraged by direct phone or personal support as well as by practical training in our SCHEU-ACADEMY.

Communicative
We provide free images and videoclips for your website as well as patient information for your practice.
CA® SMART 2D

The enhancements made to the CA® SMART 2D software in version 4.0 offer new possibilities for tooth movements in the CA® set-up technique. Thanks to the modified presentation of the different views it is now possible to take lateral and vestibular photos in addition to frontal and occlusal photos. Single or multi-user installation, can be carried out by your local system administrator. Comes with CA® web cam.

System requirements
From Windows 7 Service Pack 1, USB 2.0 port, OpenGL Version \( \geq 2.1 \) and DirectX 9.0c, monitor with resolution of min. 1024 px \( \times \) 768 px, mouse with scroll wheel

- **CA® SMART 2D**
  - #5311
  - 1 piece

CA® CHECKER

Set consisting of digital precision measuring device with USB port, solid base plate made of polished granite, model holder, spherical bur and level. Precision measurement device equipped with capacitive inclination sensors for determination of torque and angulation values before and after transpositions on set-up models.

System requirements
From Windows 7 Service Pack 1, USB 2.0 port, OpenGL Version \( \geq 2.0 \) and DirectX 9.0c, monitor with resolution of min. 1024 px \( \times \) 768 px

- **CA® CHECKER**
  - #5274
  - 1 piece
The stable height adjustable support for the CA® web cam enables reproducible documentation of occlusal and frontal photos. Technical precondition and separate accessory for the CA® SMART 2D software. CA® photo support comes with calibration plate. CA® web cam is not part of the CA® photo support, but part of the CA® SMART 2D software.

Dimensions (W × H × D): 180 × 210 × 195 mm

**Extension set (4.0) for CA® photo support**
The extension set for the CA® SMART 2D 4.0 software allows taking lateral and vestibular photos in addition to occlusal and frontal ones.

Contents: 1 CA® model holder, 1 hexagon key, 2 height adjustment blocks, 1 CA® SMART Matrix, pins, sleeves, labels identifying the height adjustment blocks

- Extension set (4.0) for CA® photo support #5313
- CA® model holder for photo support 4.0 #5361
  - For photo support with CA® SMART 2D software 4.0
  - For occlusal, frontal and lateral photos

**Height adjustment block for CA® photo support**
For fixing the exact height of a model, used with the CA® photo support, removable; remains at the model during processing, enables parallel work on several patient cases.

Contents: Height adjustment block, labels identifying the height adjustment blocks

- Height adjustment block for CA® photo support #5314
NEW: CA® Foil extra soft

CA® Foil extra soft / soft / medium / hard*
High-quality, transparent, hard-elastic material for gentle tooth alignment with aesthetic splints in the CA® system. Material with original CA® labelling stating the thickness: extra soft (0.4 mm), soft (0.5 mm), medium (0.625 mm) and hard (0.75 mm).

- CA® foil extra soft* #3441
- CA® foil soft #3405
- CA® foil medium #3406
- CA® foil medium #3407

10/100 pieces *10 pieces

CA® Retention pd*
CA® Retention foils for long-term use, pre-dried and individually vacuum-sealed. Material with original CA® labelling stating the thickness (0.75 and 1.0 mm).

- CA® Retention pd (0.75 mm) #3438
- CA® Retention pd (1.0 mm) #3440

10 pieces

NEW!

CA® Foil A2 soft / medium / hard pd*
High-quality, hard-elastic, tooth-coloured (A2) material for gentle tooth alignment with aesthetic splints in the CA® system. Material pre-dried and individually vacuum-sealed.

- CA® Foil A2 soft pd #3453
- CA® Foil A2 medium pd #3454
- CA® Foil A2 hard pd #3455

10 pieces

*Delivery exclusively to certified CA® CLEAR ALIGNER partners.
NEW: Splint remover

Handy zipped case for storing and carrying CA® splints. Re-sealable CA® mini grip bags for passing on the CA® splints to the patient, can be labelled. Splint remover for easy removal of pressure moulded splints.

- CA® Splint case for patients* #5282
  - comes with CA® Travel Case, 3 CETRON® cleansing powder bags of 15 g, 3 mini grip bags, Splint remover
- CA® mini grip bags* #5283
- Splint remover, 5 pieces #5359

CA® Travel Case*

Retainer box for up to two CA® CLEAR ALIGNER splints. Specific shape to fit easily into purse or luggage. Detachable lid with additional space for expansion key, two ventilation holes.

- CA® Travel Case #5303

NEW!

CA® Distalizer Kit acc. to Dr. Echarri

Kit for the fabrication of a CA® Distalizer acc. to Dr. Echarri for one and double-sided distalisation of molars.

All components available separately, see instructions for article numbers.

- CA® Distalizer Kit acc. to Dr. Echarri #5319
  - 1 CA® pressure spring, 1 CA® guiding rod, 1 CA® telescope sleeve with silicone tube, 1 VECTOR® 350 with key for expansion screws
CA® CLEAR ALIGNER

VECTOR® 30
Special miniaturised sector screw with bright yellow direction-al arrow for single tooth movements. To ensure safe anchorage, retention wires (CHROMIUM Ø 0.8 mm, not included) can be individually inserted and adjusted.

For use in the CA® CLEAR ALIGNER technology for oblique-lateral segment expansion acc. to Dr. Pablo Echarri in conjunction with the CA® Arch CHROMIUM and two VECTOR® 30 screws.

○ VECTOR® 30
W x H x L: 4.8 x 2.6 x 9.5 mm, expansion 3.0 mm
2/10 pieces, incl. 2/10 keys for expansion screws.

CA® Arch CHROMIUM
Pre-bent arch made of CHROMIUM wire as auxiliary element. Tapered ends facilitate sliding-on the screws.

Application
For the fabrication of special CA® CLEAR ALIGNER splints with two built-in VECTOR® 30 sector screws for lateral-oblique segment expansion acc. to Dr. Pablo Echarri.

CHROMIUM wire diameter: 0.8 mm

○ CA® Arch CHROMIUM
#5317
5 pieces

VECTOR® 40 acc. to Prof. Hinz
Special miniaturised screw for fabrication of CA® splints, allowing activation and rapid transversal expansions (up to 3 mm). The retention arms allow safe anchorage on the CA® splints using cold curing resin. With laser-welded directional arrow.

○ VECTOR® 40
W x H x L: 3.6 x 2.5 x 19 mm, expansion 3.0 mm
10/50 pieces
CA® TIP 1
Large spherical tip allows insertion of retention points in CA® splints, for increase of friction. Stainless steel, sterilisable.

- CA® TIP 1 (hemisphere Ø 1.4 mm) #5281

CA® TIP 2
Small spherical tip allows forming of activation points in CA® splints. Stainless steel, sterilisable.

- CA® TIP 2 (hemisphere Ø 1,0 mm) #5291

CA® TIP 3
Pliers with oval plateau, enable creation of activation surfaces in CA® splints. Stainless steel, sterilisable.

- CA® TIP 3 #5292

CA® TIP 4
Pliers for torque control with curved plateau, enable creation of labial /lingual activation surfaces in CA® splints. Stainless steel, sterilisable.

- CA® TIP 4 #5295
CA® POWER GRIP
CA® POWER GRIP silicone forms enable the production of individual attachments for the CA® CLEAR ALIGNER technology. The set contains nine different moulds that can be filled with light-curing composite for direct application on the prepared tooth.

CA® POWER GRIP MFM Ⓒ
MFM (multifunctional forced movement): is used for extrusion and mesial/distal rotation. For use with CA® splints and elastics.

CA® POWER GRIP MDI Ⓒ
MDI (mesial/distal inclination): enables setting upright frontal teeth and for mesial/distal inclination.

CA® POWER GRIP DMI Ⓒ
DMI (distal mesial inclination): enables setting upright frontal teeth and for distal/mesial tooth inclinations.

CA® POWER GRIP FALA Ⓒ
FALA (force application LABIAL): used for protrusion, retraction and torque control up to 3°. For creation of activation surfaces on the teeth in the gingival area with labial placement – for teeth: 11, 13, 21, 23, 31 and 43.

CA® POWER GRIP FALI Ⓒ
FALI (force application LINGUAL): used for protrusion, retraction and torque control up to 3°. For creation of activation surfaces on the teeth in the gingival area with labial, lingual and palatal placement – for teeth: 12, 22, 31, 32, 41 and 42.

CA® POWER GRIP BUB Ⓒ
BUB (Build-Up bicuspid): round pad for molars (3 mm) used for occlusal bite elevation (approx. 2 mm).

CA® POWER GRIP BUM Ⓒ
BUM (Build-Up molar): oval molar pad (3 × 5 mm) used for occlusal bite elevation (approx 2 mm).

CA® POWER GRIP BUAS Ⓒ
BUAS (Build-Up anterior small, width 2 mm): used as intrusion plateau for the treatment of deep bite. Helps maintaining intrusion forces while the patient is not wearing the CA® CLEAR ALIGNER, allows molar extrusion.

CA® POWER GRIP BUAL Ⓒ
BUAL (Build-Up anterior large, width 4 mm) also serves as intrusion plateau for the treatment of deep bite, width adjusted to front teeth with larger palatal surface.

CA® POWER GRIP holder #5340
one holder each for frontal and posterior region, stainless steel, sterilisable.

*2 pieces
CA® FLASH
For insulation and easy removal when fabricating pressure moulded CA® splints. CA® Flash is applied to ISOFLAN® foil prior to pressure moulding.

- CA® FLASH #5308
  100 ml pump spray bottle, without propellant gas

CA® Cyano Veneer Fast / CA® Pipettes
Crystal-clear, fast-curing bonding agent for adhesion of CA® plastic buttons on CA® splints, can also be used for secure adhesion of screws for Herbst and IST® appliances. CA® pipettes for precise dosing of adhesive.

- CA® Cyano Veneer Fast, 5 g #5302
- CA® pipettes, 25 pieces #5300

CA® Plastic buttons
Transparent plastic buttons allow placing elastics in the treatment of class II and III.

- CA® plastic buttons #5301
  4/40 pieces

CA® Coloured pencils
Coloured pencils for marking the CA® measuring points on the hard plaster models, with red and blue lead.

- CA® coloured pencils #5290
  2 pieces
CA® CLEAR ALIGNER

CA® CLEAR ALIGNER

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SD box
Retainer box for storing various orthodontic and snoring appliances, such as positioner, IST® device, TAP® / TAP®-T splint, with mirror and safe closure. Air slits provide optimal ventilation.
Dimensions (L×W×H) 95 × 70 × 31 mm

- SD Box red #5437
  10 pieces
- SD Box green #5438
- SD Box blue #5439
  1 piece

CA® Book volume 1
CA® Book by Dr. Pablo Echarri on CA® splint therapy with detailed description of the CA® CLEAR ALIGNER treatment concept as well as diagnosis, indication and fabrication.
More than 430 pages with many coloured illustrations.

- CA® Book volume 1 German #5298
- CA® Book volume 1 English #5305
- CA® Book volume 1 Spanish #5306
  1 piece

CA® Book volume 2 Advanced
Complements volume 1, for advanced users. With advanced therapeutic options of the CA® CLEAR ALIGNER system and survey of the state-of-the-art in CA® CLEAR ALIGNER technology, such as Progressive Stripping Therapy (PST), CA® POWER GRIP moulds No.1-9, VECTOR® 30, CA® Distalizer Kit acc. to Dr. Echarri, digital technology, extraction cases and combined therapy.
More than 250 pages with many coloured illustrations.

- CA® Book volume 2 German #5307
- CA® Book volume 2 English #5309
- CA® Book volume 2 Spanish #5318
  1 piece

CA® Grinding set / CA® Carbide bur
Grinding set consists of six different instruments and dressing stone. CA® carbide bur made of fine grit carbide characterised by high cutting performance, vibration-free concentric running and very long endurance.

- CA® Grinding set #5263
  Comes with set-up and diamond separating disc, DIMO® PRO with mandrel, HM-tricutter (fine), set-up trimmer, dressing stone and CA® carbide bur.
- CA® Carbide bur #5262
  1 piece

NEW!

CA® Grinding set / CA® Carbide bur
Grinding set consists of six different instruments and dressing stone. CA® carbide bur made of fine grit carbide characterised by high cutting performance, vibration-free concentric running and very long endurance.

- CA® Grinding set #5263
  Comes with set-up and diamond separating disc, DIMO® PRO with mandrel, HM-tricutter (fine), set-up trimmer, dressing stone and CA® carbide bur.
- CA® Carbide bur #5262
  1 piece

CA® Book volume 2
Advanced
Complements volume 1, for advanced users. With advanced therapeutic options of the CA® CLEAR ALIGNER system and survey of the state-of-the-art in CA® CLEAR ALIGNER technology, such as Progressive Stripping Therapy (PST), CA® POWER GRIP moulds No.1-9, VECTOR® 30, CA® Distalizer Kit acc. to Dr. Echarri, digital technology, extraction cases and combined therapy.
More than 250 pages with many coloured illustrations.

- CA® Book volume 2 German #5307
- CA® Book volume 2 English #5309
- CA® Book volume 2 Spanish #5318
  1 piece
**CA® Gauge**

Set of stainless steel for control of enamel reduction. Autoclavable up to max. 135° Celsius.

○ CA® gauge (0.1 - 0.5 mm) #5316

1 piece

**CA® Stripping tools**

Instruments for interproximal enamel reduction (IER), diamond coated on one or both sides, available in 12 versions. Coating on left, right or both sides. Additional CA® stripping tool (15 µm) with extremely fine and smooth diamond coating on both sides available for polishing.

For safe use of CA® stripping tools without EVA hand piece sterilisable stainless steel holders (in straight or angled version) are best suited.

<table>
<thead>
<tr>
<th>Diamond particle size</th>
<th>Colour</th>
<th>diamond coating left</th>
<th>diamond coating right</th>
<th>double-sided diamond coating</th>
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</thead>
<tbody>
<tr>
<td>90 µm*</td>
<td>green</td>
<td>#5342</td>
<td>#5343</td>
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</tr>
<tr>
<td>60 µm</td>
<td>grey</td>
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<td>#5346</td>
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<td>40 µm</td>
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<tr>
<td>15 µm</td>
<td>yellow</td>
<td>–</td>
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<td>#5354</td>
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<tr>
<td>CA® stainless steel holder, straight</td>
<td>#5355</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>CA® stainless steel holder, angled</td>
<td>#5356</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* not to be used for enamel removal, only for reduction of fillings and crowns.

**ECHARRI PST Set / PST Set Standard**

Set acc. to Dr. Pablo Echarri for use in the progressive stripping therapy (PST) containing CA® stripping tools with double-sided diamond coating in five resp. three diamond particle sizes. Ensures a very smooth enamel finish using an EVA handle. Autoclavable.

○ ECHARRI PST Set #5341
  comes in aluminium case containing 1 x CA® stripping tool in 90 µm* (green), 60 µm (grey), 40 µm (red), 25 µm (white) and 15 µm (yellow), double-sided diamond coating and CA® gauge

○ PST set standard #5357
  comes in aluminium case containing 1 x CA® stripping tool in 40 µm (red), 25 µm (white) and 15 µm (yellow), double-sided diamond coating
Clinical and dental processes in orthodontics are undergoing radical change. Actually, a striking shift of paradigms is taking place: Terms like scanning, 3D planning and printing of working models, splints or individual functional trays are nowadays most commonly used in the orthodontic language. We are among the pioneers of this process of digitalisation and are looking forward to the promising developments of the future. It is our ambition to bring this future to life in your practice or laboratory and to assist you in implementing new technologies and efficient working processes.
NEW!

Asiga MAX
The IMPRIMO® system now includes the Asiga MAX 3D printer, offering intuitive operation with fast and precise printing results. The built-in LCD panel with touch screen function provides real-time information on the building process and enables interactive control. Multiple print jobs can be stored on the internal solid-state drive and managed via touch screen or remotely via web browser. Printing jobs can be transferred over Ethernet or Wifi. In the absence of networking infrastructure, the Asiga MAX can operate as a wireless hot-spot for an independent production solution. Thanks to the IMPRIMO® 385 nm material range and reliable DLP technology, the Asiga MAX can be used in all fields of dentistry. Printing jobs can be created using the Asiga Composer software, included license-free with every system.

- Asiga MAX #6501
- Tray #6505
IMPRIMO® LC Splint
Light-curing resin at the base of methacrylate, for fabrication of high-precision transparent occlusal splints and drilling templates. When cured, the resin is characterised by relative flexibility and provides high wearing comfort, reduced fracture susceptibility and excellent polishing properties. Contains no diluting monomers, compatible with 3D printing systems with 385 nm light source.

IMPRIMO® LC Model
Light-curing resin at the base of methacrylate for fabrication of high-precision dental models with smooth surfaces. Compatible with 3D printing systems with 385 nm light source.

IMPRIMO® LC IMPRESSION
Light-curing resin at the base of methacrylate for fabrication of individual impression trays and bases for bite registrations, neon orange. Compatible with 3D printing systems with 385 nm light source.
OnyxCeph3™ CA® SMART 3D

The independent software solution for digital planning of aligners and virtual bracket positioning with numerous interfaces to the practice software. An automatic control of transpositions during set-up is defined in the CA® CLEAR ALIGNER treatment philosophy and correspondingly reflected in the software. The control of the complete treatment process and value creation during all involved treatment steps remain in the hands of the user. Available as clinical or laboratory version as license for up to five workstations in the network. One day software training included.

System requirements:
Network server and workstation with Intel 2.3 GHz (or higher), 8 GB RAM, 64 bit system, 200 GB HD space, operating system Windows 7 or higher/server OS, 1000 Mbps Ethernet, graphics card NVIDIA GeForce GTX | GTS or equivalent.

The purchase of the CA® SMART 3D software is subject to certification. For further information on training courses etc. please visit www.scheu-dental.com/en/scheu-academy/seminars.

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<td>Archiving model data</td>
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OnyxCeph3™ CA® SMART 3D – clinic
Meets the demands of orthodontists for efficient support in daily practice routines. Enables features such as importing scan data or starting of scan processes, superposition of 3D data sets, creation of base moulds, labelling, exporting and archiving of model data.

- OnyxCeph3™ CA® SMART 3D - clinic #6512
  License for up to five workstations in the network

OnyxCeph3™ CA® SMART 3D – laboratory
Meets the demands of lab owners for precise planning, transpositions and control of digital aligner and multi-band solutions. Enables processing of 2D and 3D data sets, virtual segmentation of teeth, digital bracket positioning and export of printing data.

- OnyxCeph3™ CA® SMART 3D - laboratory #6513
  License for up to five workstations in the network
More quality of life.

*We assure restful sleep.* Trust in the market leader in dental sleep medicine. The IST® and TAP® appliances set the standard for successful treatment of snoring and sleep apnoea. We recommend our SCHEU-ACADEMY courses on indication and fabrication of these devices.
IST® Kit
Intra-oral anti-snoring device, pressure-moulded. Connection between upper and lower jaw is achieved by continuously adjustable HF telescope. Lower jaw and tongue are advanced by protrusion.

Easy adjustment of protrusion, adjustment can be securely fixed by counter nut.

TELESCOPES HF 5/HF 9/HF 15
Telescopes with limit stop are available in 3 sizes, (HF 5, HF 9 and HF 15). Subsequent activation is possible.

- Telescope HF 5 #5448
- Telescope HF 9 #5450
- Telescope HF 15 #5452
Positioning aid and other accessories
Provides exact angle position for inserting fastening elements.

- Positioning aid for IST® (12°/O°), 1 piece #5469
- Positioning aid for IST® (12°/O°), 4 pieces #5468 (with O-ring and stable retention, incl. silicone tube)
- O-rings for IST®, 10 pieces #5466
- Fastening element for IST® and Herbst*, 4 pieces #5457 (with hexagon socket screw incl. silicone protection tube)
- Hexagon socket screw, 4 pieces #5458

*Herbst is a registered trademark of DENTALUM GmbH, Kopensen

GEORGE GAUGE™ Bite Registration
For simple and precise registration of occlusion in snoring therapy and orthodontics. The bite registration is pre-adjusted using 2 or 5 mm bite forks.

- GEORGE GAUGE™ Bite Registration set #5471 comes with 3 bite forks (1 for each size)
- GEORGE GAUGE™ bite fork, 10 pieces #5472
  2mm, grey, small (S)
- GEORGE GAUGE™ bite fork, 10 pieces #5473
  5mm, white, small (S)
- GEORGE GAUGE™ bite fork, 10 pieces #5462
  5mm, white, large (L)
  1 piece
SD Cyano Veneer Fast / SD pipettes
Fast-curing bonding agent, fluid and crystal clear, suitable for fixation of components when fabricating TAP® or IST® splints. Can also be used for secure adhesion of screws in sleep medicine and orthodontics. SD pipettes ensure precise dosing of SD Cyano Veneer Fast by micro tip.

- SD Cyano Veneer Fast, 5 g #3701
- SD pipettes, 25 pieces #3703

SD Metal Primer
Bonding agent for perfect adhesion of acrylics and any kind of metal. Reduces crevice corrosion. For insertion of TAP® components, IST® fastening elements, polymerised retention and clasp elements in orthodontics and prosthetic acrylics as well as in veneer technique.

- SD Metal Primer 5 ml #9038

CLEAR-BLOKKER®
Light-curing, high-transparent gel for building-up pressure moulded DURAN® splints, reinforced with DURASPLINT® LC. Gel is best suited for removal of air inclusions and insertion of canine guidance. Can also be used for fixation of IST® components on DURAN® splints. Polymerisation in wavelength range 360–420 nm, for example with LC Mini Light or LC-6 Light Oven (see p. 111). Prior to processing, LC primer has to be applied to DURAN® splints.

- CLEAR-BLOKKER® #5261
  4 x 1.5 g, 2 cannula (Ø 0.4 mm) and 8 cannula (Ø 0.9 mm)

Single references of cannula can be found on p. 94.
**SD Box**
Retainer box for storing various orthodontic and anti-snoring appliances, such as positioner, IST® splint, TAP®/TAP®-T splint, with mirror and safe closure. Air slits provide optimum ventilation.

Measurements (W x H x L): 95 x 70 x 31 mm

- **SD Box** blue #5439
- **SD Box** red #5437
- **SD Box** green #5438

**OPM**
For simple fabrication of a pressure moulded OPM protrusion splint in snoring therapy. Activation is done in 1mm steps by replacing the plastic bars on both sides.

- **OPM Kit** #5495
  - incl. 6 pairs of plastic bars (25 - 30 mm long), 4 fastening elements with O-rings, 1 bag CETRON® cleansing powder of 15 g, occlusion trainer, silicone protection tube
- **OPM plastic bars, 6 pairs** (25 – 30 mm) #5494

**Occlusion trainer**
Condylar reposition device for patients’ training after wearing protrusion splints during the night.

- **Occlusion trainer** #5470
  - 10 pieces
**TAP® Standard**

Thornton Adjustable Positioner (TAP®), enables a controlled and effective treatment of snoring and sleep apnoea. The TAP® splint has been developed by the American dentist and engineer Dr. Keith Thornton.

- **TAP® Standard**
  - Developed on the basis of TAP® Standard in delicate design.
  - Nickel-free components for optimum bio-compatibility. Upper protrusion adjustment device can be continuously activated up to 7 mm. Reactivation is possible.

  Also available as pre-assembled set.

- **TAP®-T**
  - Kit comes with TAP® case, upper protrusion adjustment device made of titanium, lower guiding device made of nickel-free CoCr-alloy, mounting aid, activation key, occlusion trainer, 5 bags of 15 g CETRON® cleansing powder, CETRON® cleansing box and patient information.

  Also available as pre-assembled set.
**TAP®-T Reverse**

TAP®-T Reverse incorporates a reduced upper protrusion adjustment device made of titanium. It has been specifically designed for patients with deep bite. Lower protrusion is adjusted by activation key (palatal), as this reduced adjustment device can be inserted behind the upper incisors in the DURASOFT® splint. Reactivation is possible.

**Also available as pre-assembled set.**

- **TAP®-T Reverse kit** #9050
  - kit comes with TAP® case, small upper protrusion adjustment device made of titanium, lower guiding device made of nickel-free CoCr-alloy, mounting aid, activation key, occlusion trainer, 5 bags of 15 g CETRON® cleansing powder, CETRON® cleansing box and patient information

- **TAP®-T Reverse set, pre-assembled** #9050.2
  - set comes with TAP® case, upper protrusion adjustment device made of titanium, pre-assembled with sticky wax, lower guiding device made of nickel-free CoCr-alloy, mounting aid, activation key, occlusion trainer, 5 bags of 15 g CETRON® cleansing powder, patient information

- **Mounting aid, 5 pieces** #9039

**TAP®-T / TAP®-T Reverse starter set**

Simplified mounting thanks to combination of TAP®-T or TAP®-T Reverse upper protrusion adjustment device and TAP®-T lower guiding device, pre-assembled with sticky wax.

- **TAP®-T starter set** #9031
  - set comes with TAP®-T positioning aid, pre-assembled with sticky wax, activation key, SD box blue, patient information

- **TAP®-T Reverse starter set** #9051
  - set comes with TAP®-T positioning aid, pre-assembled with sticky wax, activation key, SD box blue, patient information

TAP® products are exclusively delivered to certified participants of the TAP® technical course.
2 mm additional mobility!

**TAP® T XL Lower guiding device**
Increased version (2 mm additional mobility) for more wearing comfort. Can be used with TAP®-T and TAP®-T Reverse upper protrusion adjustment devices.

- [ TAP® T XL Lower guiding device, incl. matrix #9029 ]

---

**TAP® -T Matrix***
Reusable auxiliary element made of heat-resistant silicone for efficient fabrication of the sticky wax spacer. Makes sure the TAP®-T titan hook runs free in the guiding device in the lower splint.

- [ TAP® -T Matrix, 2 pieces #9037 ]

* Not for use with TAP®-T XL lower guiding device.

---

**TAP® Splint case for patients**
Zipped case for storing and carrying TAP® and TAP®-T splints.

- [ TAP® Splint case for patients #9082 ]

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TAP® products are exclusively delivered to certified participants of the TAP® technical course.
Dental Sleep Medicine

**AM Aligner**
Thermoplastic occlusion trainer for condylar reposition after wearing protrusion splints during the night. The AM Aligner is heated and adapted to the patient's upper jaw by the clinician.

- **AM Aligner** #9072

**TAP® PAP**
Comfortable nasal pillow mask designed for patients with low CPAP compliance. Since the TAP® PAP mask is anchored to the upper teeth with a special ThermAcryl™ mouthpiece, it is very stable, will not move or leak nor leave annoying marks on the nose and face.

- **TAP® PAP** comes with nasal pillow in small, medium and large #9073

**myTAP™**
Diagnostic testing appliance for getting acquainted with the simple and patient-friendly treatment of snoring and sleep apnoea. Metal-free and easy adjustable trays enable protrusion up to 20 mm, assuring considerable lateral mobility.

- **myTAP™** upper and lower jaw splint, incl. nut, storage box and instructions #9070

**NEW!**

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Thermoplastic occlusion trainer for condylar reposition after wearing protrusion splints during the night. The AM Aligner is heated and adapted to the patient's upper jaw by the clinician.

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- **myTAP™** upper and lower jaw splint, incl. nut, storage box and instructions #9070
50 years of competence and experience.

**Tried and tested.** Our pressure moulding material has been tested in terms of cell biology according to the international standards DIN EN ISO 10993 and 7405 and has been released for clinical purposes. The bar code on each blank ensures quick and simple handling.
Pressure Moulding Technique
Pressure Moulding Technique

**BIOCRYL® C**
Break-resistant acrylic material of pure PMMA, monomer-free, without allergenic irritants, bonds to acrylic.

**Application**
Orthodontic plates and retainers

- 2.0 × 125 mm* clear #3147
- 2.0 × 125 mm** red #3149
- 2.0 × 125 mm** blue #3150
- 2.0 × 125 mm** yellow #3151
- 2.0 × 125 mm* rose-transparent #3152
- 3.0 × 125 mm* clear #3153

*10 /100 pieces ** 10 pieces

---

**BIOCRYL® M**
Hard-elastic, monomer-free material, without allergenic irritants, bonds to acrylic.

**Application**
Orthodontic plates and retainers

- 2.0 × 125 mm* Multicolor Set #3228
- 2.0 × 125 mm* Polka-Dots #3229
- 2.0 × 125 mm* Zebra #3230
- 2.0 × 125 mm* Rainbow #3231
- 2.0 × 125 mm* Tiger #3232
- 2.0 × 125 mm* Camouflage #3233

10 pieces *5 x 2 pieces

---

**BIOCRYL® Form X**
Visco-elastic material, does not bond to acrylic, blue.

**Application**
Radiopaque material for the exact visualisation of the clinical situation in computer tomography.

- 1.5 × 125 mm blue #3148

NEW!
**DURAN®**

Hard-elastic transparent material, bonds to DURASPLINT® and DURASPLINT® LC. Apply LC primer prior to using DURASPLINT® LC. No pre-drying required.

**Application**

Miniplast splints, occlusal splints, interim and fluorisation splints, drilling/X-ray templates, anti-snoring appliances, invisible retainers, temporary crowns and bridges.

- **0.4 x 125 mm** #3470
- **0.5 x 125 mm** #3411
- **0.625 x 125 mm** #3409
- **0.75 x 125 mm** #3413
- **1.0 x 125 mm** #3415
- **1.5 x 125 mm** #3417
- **2.0 x 125 mm** #3419
- **3.0 x 125 mm** #3421

10 /100 pieces * 10 pieces

---

**DURAN®+**

Hard-elastic transparent material, bonds to DURASPLINT® and DURASPLINT® LC. Apply LC primer prior to using DURASPLINT® LC. With integrated insulation foil. No pre-drying required.

**Application**

Miniplast splints, occlusal splints, interim and fluorisation splints, X-ray/drilling templates, anti-snoring devices, temporary crowns and bridges, invisible retainer.

- **0.4 x 125 mm** #3472
- **0.5 x 125 mm** #3426
- **0.625 x 125 mm** #3428
- **0.75 x 125 mm** #3430
- **1.0 x 125 mm** #3432
- **1.5 x 125 mm** #3434
- **2.0 x 125 mm** #3436

10 /100 pieces * 10 pieces
DURAN®+ A2 pd
New material in proven DURAN® quality, now available in aesthetic colour (VITA A2). With integrated insulation foil. Already pre-dried and vacuum sealed for instant use.

Application
Tooth coloured temporaries, splints for planning and demonstration for aligner treatments

- 0.5 × 125 mm #3422
- 0.625 × 125 mm #3424
- 0.75 × 125 mm #3423

DURAN®+ white pd
New material in proven DURAN® quality, now available in white (Vita OM1). With integrated insulation foil. Already pre-dried and vacuum sealed for instant use.

Application
Cosmetic splints

- 0.5 × 125 mm #3473
- 0.625 × 125 mm #3474
- 0.75 × 125 mm #3475

DURASOFT® pd
Unbreakable, abrasion-resistant, transparent compound material – hard on one side and soft on the other. Hard side bonds to acrylic. Already pre-dried and vacuum sealed for instant use.

Application
Miniplast splints, bruxism splints, occlusal splints

- 1.2 × 125 mm* hard/soft 0.7 mm / 0.5 mm #3342
- 1.8 × 125 mm* hard/soft 0.9 mm / 0.9 mm #3388
- 2.5 × 125 mm* hard/soft 1.6 mm / 0.9 mm #3387
- 3.0 × 125 mm** hard/soft 2.1 mm / 0.9 mm #3341
- 4.0 × 125 mm** hard/soft 3.1 mm / 0.9 mm #3345

*10 /100 pieces  ** 10 pieces

NEW!
DURASOFT® seal
Clear pressure moulding material made of thermoplastic polyurethane for use with DURASOFT® pd. Forms a robust inner layer and provides high quality hard-soft splints with excellent resistance against discolouration. Also available in blue and magenta.

Application
Discolouration resistant inner layer for DURASOFT® pd splints. Specifically designed for long-term use splints such as intra-oral anti-snoring devices.

- 0.1 × 125 mm clear #3338
- 0.1 × 125 mm blue #3339
- 0.1 × 125 mm magenta #3337

10 pieces

DURASOFT® blue pd
The proven break and abrasion resistant material in blue-transparent colour. Already pre-dried and vacuum sealed for instant use.

Application
Specifically for simple fabrication of coloured intra-oral anti-snoring devices. Blue colour increases aesthetics.

- 1.8 × 125 mm #3347
- 2.5 × 125 mm #3348

10 pieces
**BIOPLAST® XTREME Kit**

Two different degrees of hardness in one pressure moulding blank thanks to the integrated reinforcement in the delicate anterior region. Absorbs hard and flat impacts in contact sports. V-shaped harder insert for variable size of front tooth protection.

Kits come with 1 BIOPLAST® XTREME 5.0 x 125 mm, 1 bag of 15 g CETRON® cleansing powder, 1 BIOPLAST® insulating agent, retainer box.

- BIOPLAST® XTREME Kit, red #3283
- BIOPLAST® XTREME Kit, blue #3284
- BIOPLAST® XTREME Kit, black #3285

* only for MINISTAR® from 4/92 and BIOSTAR® from 4/99

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**BIOPLAST® XTREME PRO Kit**

For professional sports where hard and flat impacts often occur. Additional hard-elastic layer for integrated reinforcement in the anterior region.

Kits come with 1 BIOPLAST® XTREME 4.0 x 125 mm, 1 BIOPLAST® clear 2.0 x 125 mm, 1 DURAN® 0.75 x 125 mm, 1 bag of 15 g CETRON® cleansing powder, 1 BIOPLAST® insulating agent, retainer box.

- BIOPLAST® XTREME Kit, red #3292
- BIOPLAST® XTREME Kit, blue #3293
- BIOPLAST® XTREME Kit, black #3294

* only for MINISTAR® from 4/92 and BIOSTAR® from 4/99

---

**BIOPLAST® XTREME**

BIOPLAST® XTREME material is ideally suited for simple and safe preparation of individual mouth guard. Hard V-shaped reinforcement layer ensures additional protection in the anterior region, allowing precise positioning in the desired extension. Soft layer can be used for lamination with BIOPLAST® or for insertion of the counter bite.

- 4.0 x 125 mm red #3295
- 4.0 x 125 mm blue #3296
- 4.0 x 125 mm black #3297
- 4.0 x 125 mm clear #3298
- 5.0 x 125 mm red #3286
- 5.0 x 125 mm blue #3287
- 5.0 x 125 mm black #3288
- 5.0 x 125 mm clear #3289

10 pieces  
* only for MINISTAR® from 4/92 and BIOSTAR® from 4/99
**BIOPLAST® XTREME Deco**

The proven XTREME material for the fabrication of individual mouth guard is now available in many individual designs. A new manufacturing technology enables photo-realistic, multi-colour designing. Material does not bond to acrylic.

- 5.0 × 125 mm chinese #3312
- 5.0 × 125 mm dragon #3313
- 5.0 × 125 mm kiss #3314
- 5.0 × 125 mm aqua #3315
- 5.0 × 125 mm stone #3316
- 5.0 × 125 mm lion #3317

* only for MINISTAR® from 4/92 and BIOSTAR® from 4/99

---

**BIOPLAST® Color**

Soft, pliable rubber like material, does not bond to acrylic.

**Application**

Coloured mouth guards, positioners

- 3.0 × 125 mm blue-transparent #3356
- 3.0 × 125 mm red-transparent #3355
- 3.0 × 125 mm white #3445
- 3.0 × 125 mm black #3448
- 3.0 × 125 mm neon red #3352
- 3.0 × 125 mm neon green #3353
- 3.0 × 125 mm azure #3354
- 3.0 × 125 mm Color set #3271

---

**BIOPLAST® Multicolor**

Soft, pliable rubber like material, does not bond to acrylic.

**Application**

Coloured mouth guards, positioners

- 3.0 × 125 mm Germany #3390
- 3.0 × 125 mm France #3391
- 3.0 × 125 mm Italy #3392
- 3.0 × 125 mm Spain #3393
- 3.0 × 125 mm Sweden #3394
- 3.0 × 125 mm Brazil #3395
- 3.0 × 125 mm Transylvania #3396
- 3.0 × 125 mm Atlantis #3397
- 3.0 × 125 mm White dots #3398
- 3.0 × 125 mm Green dots #3399
- 3.0 × 125 mm Multicolor-Set #3400

---

5 pieces

10 pieces

---

87
BIOPLAST®
Soft pliable rubber like material, does \textit{not} bond to acrylic, clear-transparent.

Application
Duplicating moulds, mouth guard, bruxism splints, positioner, bleaching splints, OSAMU-Retainer®

- 1.0 × 125 mm #3270
- 1.5 × 125 mm #3183
- 2.0 × 125 mm #3185
- 3.0 × 125 mm #3187
- 4.0 × 125 mm** #3188
- 5.0 × 125 mm** #3374

10/100 pieces  * 10 pieces
**only for MINISTAR® from 4/92 and BIOSTAR® from 4/99

NEW: BRUX CHECKER® white

BRUX CHECKER® acc. to Prof. Sato
Foil with one-side colour coating for analysis and therapy planning as well as for control of prosthetic restorations.

- 0.1 × 125 mm, red #3209
- 0.1 × 125 mm, white #3210

10 pieces

Manual "Diagnosis of occlusion in bruxism" (Kanagawa Dental College, Japan) can be found at www.scheu-dental.com/en/downloads/other
**IMPRELON®**

Hard material, not elastic, bonds to acrylic.

**Application**

Material in clear and opaque for impression and medical trays, material in white for chin caps and bite registration.

- 2.0 x 125 mm  
- 3.0 x 125 mm  
- 3.0 x 125 mm  

10 pieces * 10/100 pieces

**IMPRELON® S pd**

Extremely break and abrasion resistant material. New formulation! Already pre-dried and vacuum sealed for instant use.

**Application**

OSAMU-Retainer®, miniplast splints, retention splints

- 0.5 x 125 mm  
- 0.75 x 125 mm  
- 1.0 x 125 mm  
- 1.5 x 125 mm  
- 2.0 x 125 mm  
- 3.0 x 125 mm  

10 pieces * 10/100 pieces

**OSAMU-Retainer® Kit**

Transparent retainer acc. to Dr. Yoshii. Pressure-moulded using BIOPLAST® 1.5 mm and IMPRELON® S pd 0.75 mm and OSAMU Bond for optimal compound of material. OSAMU-Retainer® Kit for fabrication of 10 retainers. All components also available separately.

- OSAMU-Retainer® Kit  

10 IMPRELON® S pd (0.75 x 125 mm), 10 BIOPLAST® (1.5 x 125 mm), 10 ml OSAMU-bond  

1 piece
COPYPLAST®
Visco-elastic material, opaque, does not bond to acrylic.

Application:
Duplicating moulds, bleaching splints, bracket transfer trays, copings, moulds for temporary crowns and bridges

- 0.5 × 125 mm #3177
- 0.75 × 125 mm #3169
- 1.0 × 125 mm #3179
- 1.5 × 125 mm #3175
- 2.0 × 125 mm #3181

COPYPLAST® C
Transparent, visco-elastic material, unbreakable and abrasion resistant, does not bond to acrylic.

Application:
Long term and invisible retainers, orthodontic splints

- 1.0 × 125 mm #3403

HARDCAST®
Hard-elastic material, does not bond to acrylic, combustible leaving no residue, opaque.

Application:
Copings, spacer foil for bleaching splints

- 0.4 × 125 mm #3194
- 0.6 × 125 mm #3195
- 0.8 × 125 mm #3200
Skin Packaging
Protection packaging for sending out high quality models, consisting of cardboard and coating foil.

- Skin Packaging #3206
- Coating foil (0.15 x 125 mm) #3203
  Protection cover for study and orthodontic models
  100 pieces

Spacer Foil
For fabrication of copings, will be removed before embedding the model, clear.

- 0.1 x 125 mm #3202
  100 pieces

ISOFOLAN®
Ensures optimum insulation for plaster against acrylic in the pressure moulding technique. Best suited as spacer foil when pressurising hard-elastic material for splints.

- 0.1 x 125 mm #3207
  100 pieces
**Indirect bonding technology**
Indirect bonding for precise transfer of the bracket position with considerable reduction of treatment time.

Thanks to the specifically designed SD products described on these pages, the transfer matrix can be quickly and easily fabricated in the laboratory.

**SD Silicone**
Silicone with excellent pouring and adhesive characteristics for fabricating bracket transfer trays. For blocking-out and precise, stable fixing of brackets on the models during pressure-moulding, can be removed leaving no residue.

Comes in two-component syringe, with 15 mixing cannula.

- **SD silicone, double cartridge of 2× 10ml with 15 mixing cannula** #3603

**SD Bond**
Water soluble, thixotropic adhesive for temporary fixing and positioning of brackets on the model. Optimum curing times and complete water solubility.

- **SD Bond, 5 cartridges of 3 g incl. cannula (ø 1,2 mm)** #3602

**SD Scalpel**
Scalpel for precise orientation cuts in the bracket transfer foil in the area of the bracket slots, serving as basis for the future extension of the tray and for finishing.

- **SD scalpel with 6 blades** #3604
Pressure Moulding Technique

**SD Separating disc, serrated**
Discs for precise and smooth cuts in the bracket transfer foil in the area of bracket slots, serving as orientation for the future extension of the tray and for finishing. Can also be used for finishing DURAN®.

- SD Separating disc, serrated #3606
  3 discs, with mandrel

**SD Bracket pincers**
Pliers with delicate tip for inserting and removing brackets from pressure-moulded bracket transfer tray. Made of stainless steel, sterilisable.

- SD Bracket pincers #3607

**SD Bracket remover**
To release brackets from bracket transfer tray after pressure-moulding and for easier removal of the bracket transfer tray from patient’s mouth. Made of stainless steel, sterilisable.

- SD Bracket remover #3608

**SD Cutter**
Smooth knife for precise reduction of the pressure-moulded bracket transfer tray below the bracket slots. Blade can be fixed for precise cuts, doesn’t require further finishing.

- SD Cutter #3605
BLUE-BLOKKER®
Light-curing, blue-transparent blocking-out and modelling putty with excellent flow characteristics. For fabrication of space maintainers for bleaching splints and medical trays as well as for sealing and blocking set-up models. Combustible, leaving no residue, can therefore also be used in prosthetics when fabricating fixed or removable prostheses. Telescopic models are stable and can be removed without tension. Curing in the wavelength range 380-470 nm.

- **BLUE-BLOKKER®**
  - 4x 1.5 g, 2 cannula (Ø 0.6 mm) and 8 cannula (Ø 0.9 mm)
  - Micro cannula* (Ø 0.4 mm) #5277
  - Micro cannula* (Ø 0.6 mm) #5264
  - Micro cannula* (Ø 0.9 mm) #5278

*S pieces

SIL-KITT
Permanently plastic silicone, used specifically for blocking-out undercuts in pressure moulded splints, anti-snoring and orthodontic appliances.

- **SIL-KITT red** #3442
- **SIL-KITT transparent** #3443

150 g
**Pressure Moulding Technique**

**BIOPLAST® Insulation agent**
Insulation for plaster models when using BIOPLAST® material for fabricating positioners and mouth guards. BIOPLAST® insulating agent provides absolute transparency and smooth inner surfaces. Also available in practical applicator bottle of 100 ml for quick and non-drip insulation of plaster models.

- **BIOPLAST® insulating agent, 100 ml** #3166
  - Applicator bottle with 3 tips
- **BIOPLAST® insulating, 500ml** #3189

**Blocking-out putty**
Permanently plastic putty for blocking-out large-scale undercuts.

- **Blocking-out putty** #3220
  - 250 g
**DURASPLINT®**

High-transparent cold-cure resin specifically designed for fabricating occlusal splints with adjusted occlusion. Very simple to use, little shrinkage, optimised trimming.

- **DURASPLINT® Kit** #3257
  - incl. 200 g polymer and 100 ml monomer, mixing and dosing cup, 20 ml orthodontic insulating agent incl. brush, pipette, glass spatula and detailed instructions
- **DURASPLINT® polymer, 200/400 g** #3258
- **DURASPLINT® monomer, 100/250 ml** #3259

**BIOCRYL®-RESIN**

Special orthodontic acrylic for attaching clasp arms and relining expansion screws when pressure-moulding retention and expansion plates using BIOCRYL® C and BIOCRYL® M. Material polymerises during the cooling phase in the pressure moulding unit. No time-consuming polymerisation in pressure pot.

- **BIOCRYL®-RESIN polymer, 400/1000 g** #3221
- **BIOCRYL®-RESIN monomer, 250/500 ml** #3218
**DURASPLINT® LC**

Light-curing, transparent resin, specifically designed for the adjustment of DURAN® splints with a minimal thickness of 1.5 mm. Doesn’t require curing in autoclave. For polymerisation, we recommend using the LC 6 light oven (see p. 111) with pre-set polymerisation times of 5 or 10 min. Curing in the wavelength of 350 – 450 nm. Prior to processing, LC primer has to be applied to DURAN® splints.

No yellow discolouration of material after light-curing.

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**CLEAR-BLOKKER®**

Light-curing, high-transparent gel for building-up pressure moulded DURAN® splints, reinforced with DURASPLINT® LC. Gel is best suited for removal of air inclusions and insertion of canine guidance. Can also be used for fixation of IST® components on DURAN® splints. Polymerisation in wavelength range 360–420 nm, for example with LC Mini Light or LC-6 Light Oven (see p. 111). Prior to processing, LC primer has to be applied to DURAN® splints.

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**DURASPLINT® LC Kit** #3256

- 3 bars (38 g in total) DURASPLINT® LC, 1.5 g CLEAR BLOKKER® with 2 cannula, 10 ml LC primer with brush, 10g LC insulation, 1 LC bur A, B and C each, 1 SD polishing paste A and B each, 5 SD polishing brushes, SD felt discs and SD high-gloss polishing mops with mandrel

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**CLEAR-BLOKKER®** #5261

- 4 x 1.5 g, 2 cannula (Ø 0.4 mm) and 8 cannula (Ø 0.9 mm)

Single references of cannula can be found on p. 94.
**LC Primer**

Light-curing primer for pre-treating DURAN® splints before adjusting them with DURASPLINT® LC or CLEAR BLOKKER®. For polymerisation, we recommend using the LC 6 Light Oven (see p.111) with pre-set polymerisation times of 5 or 10 min. Curing in the wavelength of 350 – 450 nm.

- **LC Primer, with brush**  
  10 ml  
  #3263

**LC Insulation**

Facilitates modelling DURASPLINT® LC on DURAN® splints. Ensures clean and neat working results with smooth surfaces, considerably simplifying finishing.

- **LC Insulation**  
  10 g  
  #3266

**SD Composite primer**

Bonding agent for fabrication of temporary crowns and bridges in the dental pressure moulding technique. Primer ensures a secure adhesion between composite resin (also cartridge dispensing systems) and DURAN®. Brush for easy application of primer is integrated in bottle cover.

- **SD Composite primer**  
  25 ml  
  #3705

**OSAMU-Bond**

Bonding agent for optimal compound of BIOPLAST® and IMPRELON® S pd in the pressure moulding technique.

- **OSAMU Bond**  
  10 ml  
  #3246
**Pressure Moulding Technique**

**SD Polishing brush**
High-quality goat hair brush with micro fibre insert, for use in combination with SD polishing paste A and B for polishing adjusted splints and orthodontic appliances.

**SD Felt wheel**
For use in combination with SD polishing pastes when polishing built-up splints and orthodontic appliances.

**SD High-gloss polishing mop**
Extra soft mop structure for finishing and high-gloss polishing of built-up splints and orthodontic appliances.

**LC Burs**
Specifically designed for finishing cold cure resin or lightly cured adjustments on splints. Allows neat cutting without clogging and leaving any residue. LC bur A comes in conical form for specific finishing or occlusal grinding. LC bur B is pear-shaped, ensuring very smooth grinding surface patterns when it comes to larger surfaces and LC bur C comes in bud form for quick and uniform removal of roughness.

- LC Bur A #3267
- LC Bur B #3268
- LC Bur C #3265

**SD Polishing paste**
Specifically designed for finishing (SD polishing paste A) and for high-gloss polishing (SD polishing paste B) of splints, adjusted with DURASPLINT® or DURASPLINT® LC.
Can also be used for polishing orthodontic appliances.

- SD polishing paste A, bar of 60g #3710
- SD polishing paste B, bar of 100g #3711

**NEW: LC Bur C**

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595.3x841.9

Pressure Moulding Technique

NEW: LC Bur C

LC Burs
Specifically designed for finishing cold cure resin or lightly cured adjustments on splints. Allows neat cutting without clogging and leaving any residue. LC bur A comes in conical form for specific finishing or occlusal grinding. LC bur B is pear-shaped, ensuring very smooth grinding surface patterns when it comes to larger surfaces and LC bur C comes in bud form for quick and uniform removal of roughness.

- LC Bur A #3267
- LC Bur B #3268
- LC Bur C #3265

SD Polishing paste
Specifically designed for finishing (SD polishing paste A) and for high-gloss polishing (SD polishing paste B) of splints, adjusted with DURASPLINT® or DURASPLINT® LC. Can also be used for polishing orthodontic appliances.

- SD polishing paste A, bar of 60g #3710
- SD polishing paste B, bar of 100g #3711

SD Polishing brush
High-quality goat hair brush with micro fibre insert, for use in combination with SD polishing paste A and B for polishing adjusted splints and orthodontic appliances.

SD Felt wheel
For use in combination with SD polishing pastes when polishing built-up splints and orthodontic appliances.

SD High-gloss polishing mop
Extra soft mop structure for finishing and high-gloss polishing of built-up splints and orthodontic appliances.

- SD polishing brush with mandrel #3712
- SD felt wheel with mandrel #3713
- SD high-gloss polishing mop with mandrel #3714

5 pieces
**Impression tray handles**

Stable, handy plastic handles which can be fixed to tray with cold cure resin and individually formed by heating.

- **Impression tray handles** #3216
  - 10/100 pieces

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**Foam discs**

Foam discs can be used as space holder and insulation for pressure moulded impression trays, providing retention to impression material.

- **Foam discs (Ø 103 mm)** #3444
  - 10 pieces

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**SD Foil scissors A**

SD foil scissors A are delicately made of a high-quality auto-clavable stainless steel alloy. For better handling, scissors are laterally curved. Micro serration prevents slipping.

- **SD foil scissors A** #3460
  - 1 piece
**Pressure Moulding Technique**

**Stainless steel pellets**
Stainless steel pellets, highly polished by galvanic treatment, for embedding models in pressure moulding machines. Thanks to the cylindrical pellet shape, models are securely positioned and can’t be pressed into the pellets.

- **Pellet cover, large** #3006
- **Pellet cover, small** #3007

**Pellet Cover**
Used for covering stainless steel pellets while pressurising splints. Cover is reusable and avoids adhesion of pellets to the heated soft material.

- **Stainless steel pellets** #3222
- **Pellet brush** #3136

**Pellet Cover**
1000 g

**SD Foil scissors B**
SD foil scissors B are robust and durable for cutting splints or inserting cuts into splints after pressurising.

- **SD foil scissors B** #3461

**Pellet Cover**
5 pieces

**Pellet brush**
With integrated magnet for quick removal of pellets and lifting the model platform from the model cup.
Press-Moulding technique

Finishing Set
Set containing eight grinding instruments for cutting, trimming and finishing of soft-elastic and hard-elastic material. With color coding for easy identification.

- Cutting bur
  Spiral cutting bur for quick, neat cutting of hard pressure moulding material.

- HM Carbide cutter
  Triangular carbide cutting bur for quick, neat cutting of hard pressure moulding material.

- HM Tricutter fine
  Fine triangular bur for interdental finishing of splints.

- Finishing bur
  Square cutting bur made of special soft alloy that won’t damage clasps and wires.

- CA® Carbide bur
  CA® carbide bur made of fine grit carbide is characterised by high cutting performance, vibration-free concentric running and very long endurance.

Cutting bur (without) #3214
HM Carbide cutter (yellow) #3369
HM Tricutter fine (green) #3370
Finishing bur (red) #3377
CA® Carbide bur* #5262

6 pieces ▶ 1 piece

Finishing Set #3378
Set comes with one each cutting bur, finishing bur, HM carbide bur, HM tricutter fine, BIOPERM trimmer, POLYFIX, OSAMU polisher, DIMO®PRO SLIM and dressing stone.
**BIOPERM Trimmer**
For trimming and initial polishing of soft-elastic and compound material.

**POLYFIX**
For trimming and initial polishing of soft-elastic and compound material.

**OSAMU Polisher**
Finishing and polishing of soft-elastic and compound material.

- BIOPERM trimmer, blue, 2 pieces #3226
- POLYFIX on mandrel, brown, 1 piece #3371
- POLYFIX without mandrel, brown, 6 pieces #3372
- OSAMU polisher, grey, 2 pieces #3247

**DIMO®**
Stable and flexible trimming wheels with prolonged processing time, three types of grains, incl. mandrel.

**Application:**
Trimming and initial polishing of elastomer, sandwich material, mouth guard and orthodontic appliances.

- DIMO® brown, coarse* #3382
- DIMO® green, medium* #3383
- DIMO® maroon, fine* #3384
- DIMO® mandrel #3380

**DIMO®PRO / DIMO®PRO SLIM**
Trimming wheel made of special elastomer with fine fibrous structure, extremely long working time, incl. mandrel.

**Application**
DIMO®PRO: For finishing large-scale marginal areas and for final and high-gloss polishing of splints, positioners, mouth guard and orthodontic appliances. Provides highly-polished rims and uniform surfaces of hard/soft compound material.

DIMO®PRO SLIM: for finishing splints, specifically in the area of ligaments and interdentally.
Laboratory equipment

We are setting benchmarks!

We are setting benchmarks, instead of just meeting standards.
From O-ring to the microprocessor control – our specialists in the equipment manufacturing are well versed. All parts are manufactured with maximum precision and attention to detail, which is why our pressure moulding units are delivered with a three-year warranty.
Asiga MAX

The IMPRIMO® system now includes the Asiga MAX 3D printer, offering intuitive operation with fast and precise printing results. The built-in LCD panel with touch screen function provides real-time information on the building process and enables interactive control. Multiple print jobs can be stored on the internal solid-state drive and managed via touch screen or remotely via web browser. Printing jobs can be transferred over Ethernet or WiFi. In the absence of networking infrastructure, the Asiga MAX can operate as a wireless hot-spot for an independent production solution. Thanks to the IMPRIMO® 385 nm material range and reliable DLP technology, the Asiga MAX can be used in all fields of dentistry. Printing jobs can be created using the Asiga Composer software, included license-free with every system.

- Asiga MAX #6501
- Tray #6505
IMPRIMO® LC Model
Light-curing resin at the base of methylacrylate for the fabrication of high-precision dental models with smooth surfaces. Compatible with 3D printing system with 385 nm light source.

IMPRIMO® LC Impression
Light-curing resin at the base of methylacrylate for the fabrication of individual impression trays and bases for bite registrations, neon orange. Compatible with 3D printing system with 385 nm light source.

IMPRIMO® LC Splint
Light-curing resin at the base of methylacrylate for the fabrication of high-precision transparent occlusal splints and drilling templates. When cured, the resin is characterised by relative flexibility and provides high wearing comfort, reduced fracture susceptibility and excellent polishing properties. Contains no diluting monomers, compatible with 3D printing system with 385 nm light source.
**BIOSTAR®**

Versatile pressure moulding machine for all applications in dental pressure moulding and orthodontics, equipped with scan technology and 6.0 bar working pressure, adjustable by pressure reducing valve on the unit. The unique thermally controlled infra-red heater reaches working temperature in one second. All parameters such as temperature, heating and cooling times are programmed by reading the scanner or entering the corresponding code. The coloured 3.2” LCD display with a resolution of 320 x 240 pixel leads you through the single working steps of the pressure moulding process, providing further information on the scanned material, its indication as a well as a library with illustrated application hints for fabrication. Rear port for easy updates. Large model cup facilitates embedding of mounted models. Pellet container ensures optimum dispensing and storing of pellets.

Power: 230/115/100 V, 750 W  
Working pressure: 0.5 - 6.0 bar  
Dimensions (W × H × D): 520 × 240 × 440 mm  
Weight: 14 kgs  
3 years warranty, 10 years availability of spare parts

- **BIOSTAR® 230 V** #3001  
- **BIOSTAR® 115 V** #3011  
- **BIOSTAR® 100 V** #3021  
- **BIOSTAR® protection cover** made of transparent plastic, avoids soiling #3449
New generation

MINISTAR S®
The compact pressure moulding unit MINISTAR S® equipped with scanning technology: scanner reads the coded material, allowing programming of all important parameters such as heating time, temperature and cooling time. In other words: precise pressure moulding results are reached in record time thanks to the extremely fast, patented heater and working pressure of 4.0 bar. The new generation is equipped with a user-friendly membrane keypad and a large display. All operating parameters are monitored and indicated on the display.

Power: 230/115/100 V, 750 W
Working pressure: 0.5 - 4.0 bar
Dimensions (W × H × D): 500 × 210 × 400 mm
Weight: 9 kgs
3 years warranty, 10 years availability of spare parts

- MINISTAR S® 230 V #3501
- MINISTAR S® 115 V #3511
- MINISTAR S® 100 V #3521
- MINISAR S® protection cover made of transparent plastic, avoids soiling #3447

Sampler of pressure moulding material
Sampler of all available pressure moulding materials with information on thickness, diameters and colours. Helpful information on working procedures and chemical and physical parameters is given as well.

- Sampler of pressure moulding material #3137
Laboratory equipment

**TWINSTAR® P**
Pressure moulding machine for basic dental applications in the pressure moulding technique such as temporaries, splints, mouth guard, bite registrations and individual impression trays.

**Characteristics**
Medium-wave, time-controlled heater, programmed cooling phase, pre-adjusted 2 bar working pressure, range of material 0.1-3.0 mm, heating of the material side which is directly placed over the model, large model cup and ergonomic pellet container, simple and functional "one-switch-operation".

- Power: 230/115/100 V, 340 W
- Working pressure: 0.1 - 2.0 bar
- Dimensions (W × H × D): 480 × 210 × 430 mm
- Weight: 7.5 kgs
- 3 years warranty, 10 years availability of spare parts

**TWINSTAR® V**
Vacuum machine, doesn’t require compressed air connection. For all basic dental applications in the thermo-forming technique such as temporaries, splints, mouth guard, bite registration, and individual impression trays.

**Characteristics**
Medium-wave, time-controlled infra-red heater, programmed cooling phase, range of material 0.1-3.0 mm, heating of the material side which is placed directly over the model, large model cup and ergonomic pellet container, easy and functional "one-switch-operation".

- Power: 230/115/100 V, 340 W
- Working vacuum: 0.8 bar
- Dimensions (W × H × D): 440 × 210 × 430 mm
- Weight: 7.5 kgs
- 3 years warranty, 10 years availability of spare parts
Laboratory equipment

**LC 6 Light Oven**
High-capacity light polymerisation unit for up to 4 models and fixator. Its inner dimensions of 170 x 160 x 120 mm (W x D x H) offer enough space for articulated and mounted models. Six fluorescent light tubes (3 UVA and 3 blue light tubes) and an aluminium reflector guarantee homogeneous illumination. Two polymerisation times of 5 and 10 minutes are already pre-set in accordance with the light-curing DURASPLINT® LC material. Continuous operation can also be set. Spectral range of the light curing device between 350 and 450 nm. Auto start function for easier application.

- **Power:** 230/115 V
- **Dimensions (W × H × D):** 240 x 180 x 270 mm
- **Weight:** 3 kgs
- **3 years warranty, 10 years availability of spare parts**

![LC 6 Light Oven](image)

**LC 6 Light Oven #5610 #5620**

**LC Mini Light**
LED curing light with 14 LEDs designed for fixation and initial polymerisation of DURASPLINT® LC and CLEAR-BLOCKER®. Ideal for fixing fastening parts of IST® or OPM devices in combination with the LC primer. Final light polymerisation in stationary light curing unit such as LC 6 Light Oven. Use with customary AAA batteries.

- **Wavelength:** 400-405 nm
- **Weight (without batteries):** 96 g
- **Length (without shade):** 120 mm

![LC Mini Light with shade](image)

**LC Mini Light with shade #5606**

**Heating Support**
Can be attached directly to the heater when fabricating positioners and mouth guard, providing the optimum distance between model and heater when heating the occlusal surfaces and for compound of upper and lower splint.

- **Measurements:** (W × H × D): 190 × 160 × 70 mm

![Heating support for BIOSTAR® and MINISTAR S®](image)

**Heating Support for BIOSTAR® and MINISTAR S® #3452**

**Model Platform**
Model platform with 85 mm diameter provides increased surface for dental arcade models made of resin and hard plaster preventing the model from getting pressed into the stainless steel pellets.

![Model platform, Ø 85 mm](image)

**Model platform, Ø 85 mm #3134**
**Split-Fixator**

Stable occlusal holder with sliding arms. By unscrewing the centring tips, models can be removed without any damage and reinserted at any time in exactly the same position. Precise dovetailed guidance avoids twisting of fixator arms.

- Split-fixator #5380

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**Hinge fixator**

Thanks to the hinge in the upper part of the fixator, grinding of functional orthodontic appliances and fabrication of bimaxillary appliances becomes easier. Mounting splints on fixator arms ensure easy removal and precise repositioning of models.

- Hinge fixator #5374
- peaked screws, 10 pieces #5376

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**Mounting splints**

For hinge fixator

- Mounting splints #5375
  10 pieces
**Model holder**
With flexible clamps and movable joints, keeps small and large models fixed in any required position.

- **Model holder** #5270
  1 piece

**Parallelometer**
Indispensable auxiliary instrument when fabricating precise adjusted splints. The parallelometer enables determination of insertion direction and marking of tooth equator. The extensions of DURAN® splints, built-up with DURASPLINT® LC, should not exceed the tooth equator to avoid cracks or fissures when inserting or removing the splint.

- **Parallelometer** #5362
  incl. model holder, graphite leads and measurement accessories
  1 piece
**Indication Chart on Applications in the Pressure Moulding Technique**

<table>
<thead>
<tr>
<th>Indication</th>
<th>Product</th>
<th>Recommended Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-snoring splint</td>
<td>DURAN®</td>
<td>2.0 mm</td>
</tr>
<tr>
<td></td>
<td>DURAN®+</td>
<td>2.0 mm</td>
</tr>
<tr>
<td></td>
<td>DURASOFT® pd with DURASOFT® seal</td>
<td>1.8 / 2.5 mm</td>
</tr>
<tr>
<td>Bite taking / Bite registration</td>
<td>IMPRELON® white, clear</td>
<td>2.0 / 3.0 mm</td>
</tr>
<tr>
<td>Bleaching splint</td>
<td>BIOPLAST® bleach</td>
<td>1.0 mm</td>
</tr>
<tr>
<td></td>
<td>COPYPLAST®</td>
<td>1.0 mm</td>
</tr>
<tr>
<td>Bracket transfer mask</td>
<td>COPYPLAST®</td>
<td>0.5 / 0.75 mm</td>
</tr>
<tr>
<td>Copings</td>
<td>HARDCAST®</td>
<td>0.4 / 0.6 / 0.8 mm</td>
</tr>
<tr>
<td></td>
<td>COPYPLAST®</td>
<td>0.5 / 0.75 mm</td>
</tr>
<tr>
<td>Cosmetic splint</td>
<td>DURAN®+ A2</td>
<td>0.5 mm - 0.75 mm</td>
</tr>
<tr>
<td></td>
<td>DURAN®+ white pd</td>
<td>0.5 mm - 0.75 mm</td>
</tr>
<tr>
<td>Etching mask</td>
<td>COPYPLAST®</td>
<td>1.0 mm</td>
</tr>
<tr>
<td>Fluorisation splint</td>
<td>DURAN®</td>
<td>1.0 / 1.5 mm</td>
</tr>
<tr>
<td></td>
<td>DURAN®+</td>
<td>1.0 / 1.5 mm</td>
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<td>BRUX CHECKER®</td>
<td>0.1 mm</td>
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<tr>
<td>ImmediateDentures / temporary dentures</td>
<td>BIOCRYL® C (rose or clear)</td>
<td>2.0 / 3.0 mm</td>
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<tr>
<td>Individual impression tray, functional tray</td>
<td>IMPRELON® (clear)</td>
<td>2.0 / 3.0 mm</td>
</tr>
<tr>
<td></td>
<td>IMPRELON® (opaque)</td>
<td>3.0 mm</td>
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<tr>
<td>Insulation Foil</td>
<td>ISOFOLAN®</td>
<td>0.1 mm</td>
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<tr>
<td>Invisible Retainer / Functional orthodontic splint</td>
<td>DURASOFT® pd with DURASOFT® seal</td>
<td>1.2 mm</td>
</tr>
<tr>
<td></td>
<td>DURAN®</td>
<td>0.75 / 1.0 mm</td>
</tr>
<tr>
<td></td>
<td>DURAN®+</td>
<td>0.75 / 1.0 mm</td>
</tr>
<tr>
<td></td>
<td>IMPRELON®S pd</td>
<td>0.75 - 1.0 mm</td>
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<tr>
<td></td>
<td>COPYPLAST® C</td>
<td>1.0 mm</td>
</tr>
<tr>
<td>Medical tray</td>
<td>DURAN®</td>
<td>1.0 mm</td>
</tr>
<tr>
<td></td>
<td>DURAN®+</td>
<td>1.0 mm</td>
</tr>
<tr>
<td>Model duplication</td>
<td>BIOPLAST® (plaster)</td>
<td>mind. 3.0 mm</td>
</tr>
<tr>
<td></td>
<td>COPYPLAST® (resin)</td>
<td>2.0 mm</td>
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<tr>
<td>Model protection / Protective coating / Skin-packaging</td>
<td>Coating Foil</td>
<td>0.15 mm</td>
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<tr>
<td>Moulds for temporary crowns and bridges</td>
<td>COPYPLAST®</td>
<td>0.5 - 2.0 mm</td>
</tr>
<tr>
<td>Mouth Guard, sports protection</td>
<td>BIOPLAST®</td>
<td>1.0 - 5.0 mm</td>
</tr>
<tr>
<td></td>
<td>BIOPLAST® XTREME / XTREME PRO</td>
<td>4.0 / 5.0 mm</td>
</tr>
<tr>
<td>Occlusal splint / TMJ splint / Bruxism splint / Miniplast splint</td>
<td>DURAN®</td>
<td>0.75 - 1.5 mm</td>
</tr>
<tr>
<td></td>
<td>DURAN®+</td>
<td>1.5 mm</td>
</tr>
<tr>
<td></td>
<td>DURASOFT® pd with DURASOFT® seal</td>
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### Opening and expansion parameters of VECTOR® expansion screws

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Material list of alloys used by SCHEU-DENTAL (Analysis in Weight-%)

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<th>Material</th>
<th>DIN-no.</th>
<th>C</th>
<th>Si</th>
<th>Mn</th>
<th>Cr</th>
<th>Mo</th>
<th>Ni</th>
<th>P</th>
<th>S</th>
<th>Others</th>
<th>Fe</th>
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<th>Product Group</th>
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<tr>
<td>stainless steel</td>
<td>1.4021</td>
<td>0.16–0.25</td>
<td>≤1.0</td>
<td>≤155</td>
<td>12.0–14.0</td>
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<td>≤0.015</td>
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<tr>
<th>Material</th>
<th>DIN-no.</th>
<th>C</th>
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<th>Mn</th>
<th>Cr</th>
<th>Mo</th>
<th>Ni</th>
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<th>S</th>
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<th>Product Group</th>
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Measuring

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Welcome to SCHEU-DENTAL

SCHEU-DENTAL GmbH
Am Burgberg 20
58642 Iserlohn
Germany

Motorway A45, at Hagener Kreuz
→ A46 Direction Iserlohn

Exit 46
→ Iserlohn – Oestrich

Please turn left after 200 m
→ Direction Oestrich

Please turn right at the roundabout
→ Gewerbegebiet Burgberg

Please turn right after 600 m
→ Schleddestraße

Please turn right immediately again
→ Am Burgberg
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