

We keep on Thinking


... pursuing new ideas

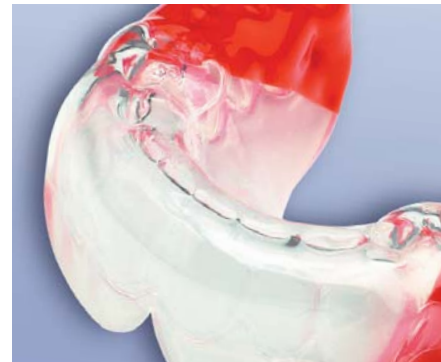
... looking to the future

... caring for growth

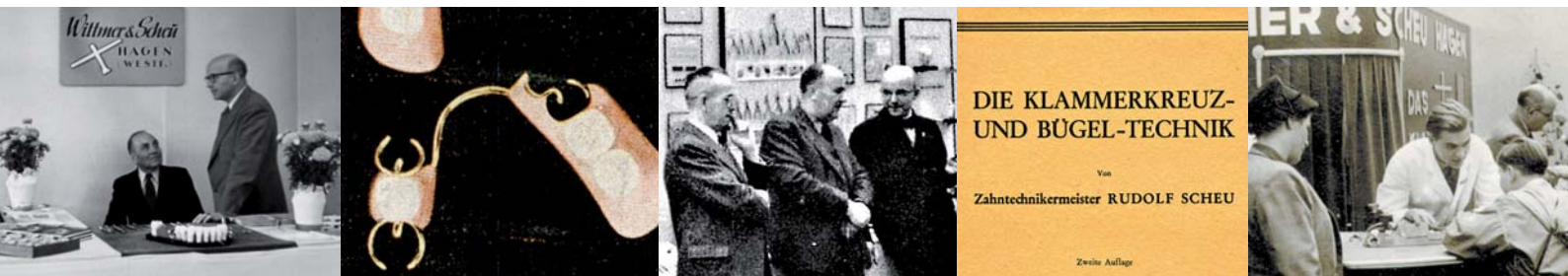
Catalogue 2012



-  Clasps and Bars
-  Orthodontics
-  Dental Sleep Medicine
-  Thermo Forming Technique
-  CMD Therapy
-  Equipment



SCHEU



A young family business over **80** years old ...



*Rudolf Scheu,
dentist and founder of
the company in 1926*



*Rolf Scheu,
managing director
from 1972 to 1991*



WITTMER & SCHEU

SCHEU

SCHEU-DENTAL

SCHEU-DENTAL

SCHEU-DENTAL

SCHEU-DENTAL

SCHEU DENTAL

SCHEU

SCHEU

Obligation based on tradition

Dear Customers,

For over 80 years, the Scheu name has stood for first-class product and service quality. Now into its third generation, this family business continues to provide attractive products and services in the fields of orthodontics, thermoforming and dental sleep medicine. We are regarded as market leaders and techno-



Christian Scheu,
managing director since 1991

logical pioneers in these areas – not only here in Germany, but in now more than 100 countries. Our portfolio is based both on proven prosthetic and orthodontic products, some of which were developed by my grandfather, the company's founder, Rudolf Scheu, and, above all, on sophisticated innovations.

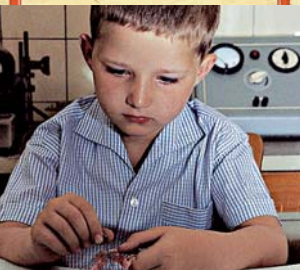
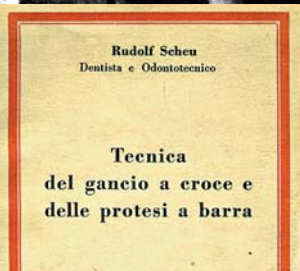
Top priority is given in all our product development to our customers' wishes and expectations. Our highly trained sales consultants and application technicians are always at your service with their in-depth know-how. We also regularly provide courses and training sessions that can make your everyday work appreciably easier.

Top quality is our primary aim – an objective that together with our 85+ employees in Iserlohn we put into practice day after day. To accomplish this we put our faith in continuity. A continuity that is seen not only in the fact that the family has run the company for some 85 years, but also in our most valuable asset – our employees, many of whom have been with the company for decades or are the sons and daughters of previous members of staff. We are all highly motivated and love our work!

We trust that this new catalogue will fully convince you of this. Alternatively, simply drop in to see us – we are always at your service, ready to listen and give advice.

With warmest regards,
Christian Scheu

SCHEU



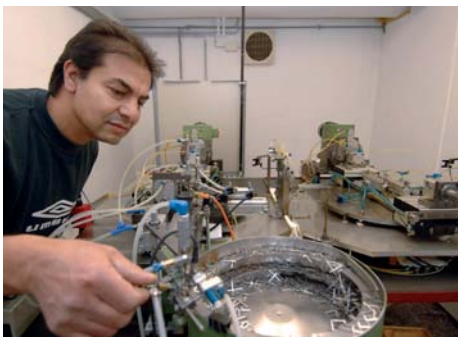
1926 – 2012

Cold moulding instead of soldering was the idea which enabled dentist Rudolf Scheu to optimise the production of clasps and, in 1926, led to the foundation of the Wittmer & Scheu company in Hagen, in partnership with Ewald Wittmer. Business with the single-piece clasps had been good from the very beginning, but was unfortunately interrupted by the Second World War. However, immediately after the end of the war the founders Scheu and Wittmer relaunched their business and their success story resumed.

By this time Rudolf Scheu had also qualified as a dentist. And he had also made a name for himself as an author of books on prosthetics. After his partner Ewald Wittmer had left the firm in 1954, Rudolf Scheu took over sole management of the business, now named SCHEU-DENTAL.

From the late 1950s onwards the young company's product portfolio was continually expanded, initially with new removable orthodontic articles, such as the renowned SCHEU anchor.

At the end of the 1960s the founder's son, business graduate Rolf Scheu, took over the company. Under his management the second largest area of business, pressure moulding technique, was developed, and was steadily expanded by the various generations of the BIOSTAR® and later the MINISTAR® and TWINSTAR®.





Yesterday, today, tomorrow

Today the long-established company is in the hands of the third generation, in the person of Christian Scheu. Under his leadership, innovative dental sleep medicine was added to the range to establish a third major pillar of the business. And it was also him, who oversaw the latest expansion of the SCHEU product family into fixed treatment articles, with the acquisition of orthodontics specialist Smile-Dental GmbH in late 2006. As a result, SCHEU-DENTAL will be able to offer an even wider range of products in future.

SCHEU-DENTAL has been at its current location in Iserlohn since 1964. The facility has been extended four times. Today more than 80 people work at the Iserlohn site, in a wide variety of trades and professions: dental technicians, electricians, engineers, technical draughtsmen, toolmakers, fitters and administrative staff – all giving their best every day of the week. The team also gathers new ideas and know-how by working together with external consultants from the fields of dental medicine, orthodontics and materials science.



SCHEU

The future
starts **now**





Innovation and quality

Equipment and accessories for pressure moulding technique, clasps, wires and screws for orthodontics, or rails and treatment units for dental sleep medicine: the SCHEU product family is very wide-ranging. From the SCHEU anchor to the sixth generation of the BIOSTAR®, it skilfully combines the tried and proven with the highly innovative.

In developing new, high-quality products the SCHEU team works closely with universities and research bodies. The management also takes the suggestions submitted by its own employees very seriously. And the company's close relationship with its customers also regularly generates new ideas.

All SCHEU products are manufactured in Iserlohn, and only a small number of them can be produced completely by machine.

"People mould things" is applied literally, and hand-crafting is a key element in achieving the high levels of product quality. "Many geometries are so complex that the precision work can really only be done manually", explains Christian Scheu. That is the only way to ensure such high quality, accompanied by routine product monitoring. All the company's employees are aware of the highly challenging nature of their work, and they respond to those challenges every day.

Solid evidence of the particularly high quality of SCHEU products is furnished by the first BIOSTAR® units, some of which have already been working perfectly for more than 40 years on.

Quality management has been a major area of focus at SCHEU since well before it was laid down as mandatory in the EU Medical Products Directive. As far back as 1996 – two years earlier than required – SCHEU became one of the first dental companies in Germany to certify its operations. Since then, external auditors have visited Iserlohn every year to inspect the high standards of production and verify the level of quality maintained by the company as a whole.



SCHEU



The services offered by SCHEU-DENTAL also include an extensive range of training courses from which you can learn more about the latest innovative products and new techniques. We have been holding these courses on a regular basis for a number of years, featuring inhouse or external tutors.

Whether the Workshop "Pressure Moulding Technique", "CMD Therapy", "Dental Sleep Medicine" or the "CA® Splint Therapy" what all the courses have in common is above all their direct link to actual practice. And the concept is a success – as proven by the many satisfied participants over the years.

Until today, we had the pleasure to welcome far more than 1000 participants.

**From person
to person**

Communication is everything

And anyone who still has any queries or problems can simply contact the SCHEU team directly:

Our comprehensive internal training system ensures that all our staff are able to provide you with the expert advice and assistance you need at all times. That is a special concern for Christian Scheu: "It is of particular importance to us that all our employees – wherever they work – have detailed knowledge of our products."

To ensure SCHEU products arrive safely at their practice or laboratory destinations, they are carefully packed by the warehouse staff and dispatched to more than 100 different countries.

Rudolf Scheu made the first business contacts outside Germany way back in the 1950s, and they have since been continuously enhanced to create a truly international sales and distribution network. Nowadays 55 % of SCHEU products are exported. Equipment such as the BIOSTAR® is installed and commissioned into operation by field sales staff and sales agents in person, thereby providing you with a direct, personalised introduction to the product.



Clasps and Bars

Clasps without occlusal rest
 Clasps with occlusal rest and elastic arm
 SCHEU-Anchor and J-Clasps
 Bars, Jaw Fracture Splints

14
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Orthodontics

Preformed Wires
 BIOGNATH® System 20-21
 MENZANIUM®
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 CHROMIUM
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 Face-Bows 39
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Dental Sleep Medicine

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| – BIOCRYL® M | |
| – DURAN® | |
| – DURAN®+ | |
| – DURASOFT® | |
| – DURASOFT® pd | |
| – IMPRELON®S | |
| – IMPRELON® | |
| – BIOPLAST® MULTICOLOR Kit | |
| – BIOPLAST® COLOR | |
| – BIOPLAST® MULTICOLOR | |
| – BIOPLAST® XTREME Kit | |
| – BIOPLAST® XTREME PRO Kit | |
| – BIOPLAST® XTREME | |
| – BIOPLAST®/BIOPLAST® bleach | |
| – BRUX CHECKER® | |
| – COPYPLAST® | |
| – COPYPLAST® C | |
| – HARDCAST® | |
| – Spacer foil | |
| – ISOFOLAN® | |

| | |
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| – BIOCRYL®-RESIN | |
| – DURASPLINT® | |
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CMD-Therapy

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Equipment

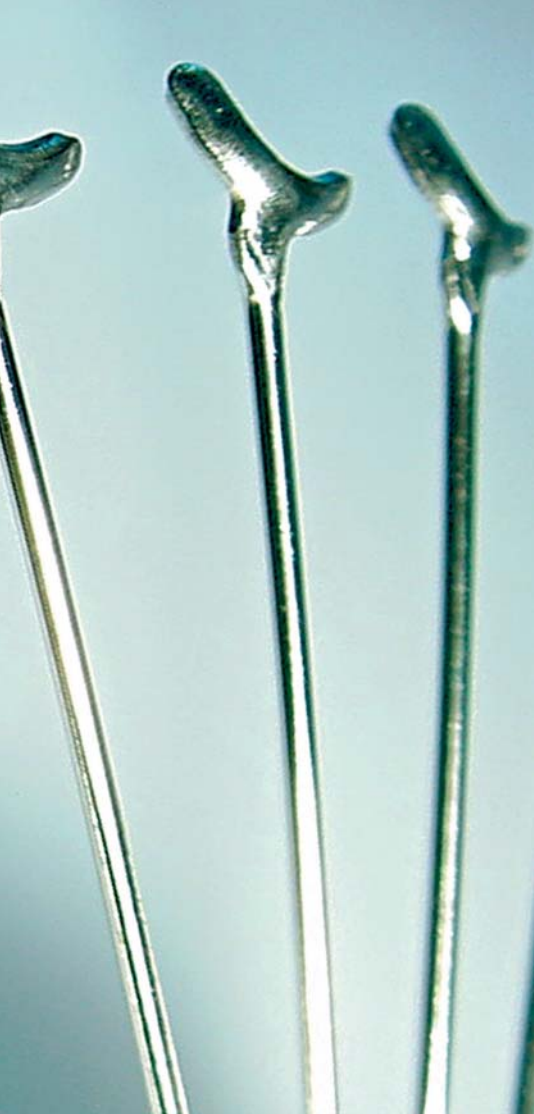
| | |
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| Fixators, Model holders, SC-System | 66 |
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Contents





**Continuity is
quality**



Clasps and Bars

We have been manufacturing clasps for more than 80 years. Based on that experience, our range of clasps and bars has become a benchmark.

Made of high-grade, non-allergenic, absolutely mouth-tolerant stainless steel alloys – ensuring your patients know they can trust you.

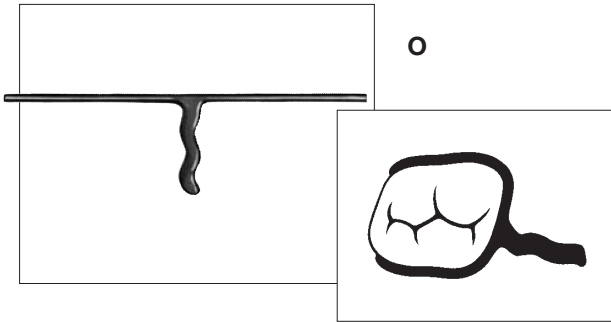


Clasps and Bars

Clasps without occlusal rests

Preformed clasps consisting of a mouth-tolerant, high corrosion-resistant stainless steel alloy; fabricated in a cutting and cold forming process. One piece without any soldering connection with high polished surface. Perfect elasticity and stability.

Scale of 1:1



mm

Ø

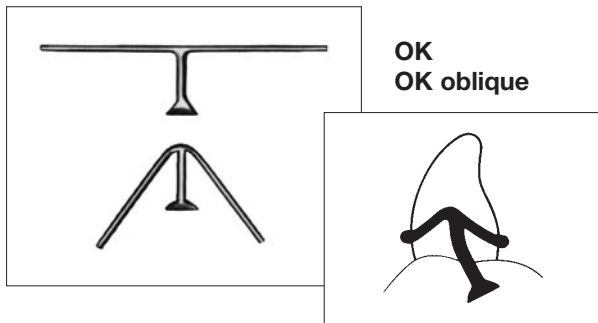
0,9

1,0

10/100 pcs.

1002

1003



OK

OK oblique

0,8

0,8

10/100 pcs.

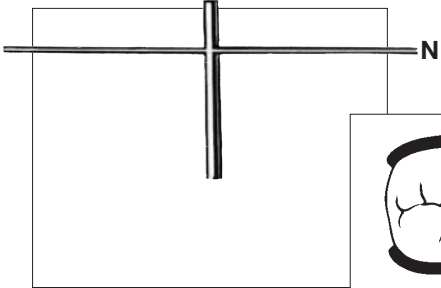
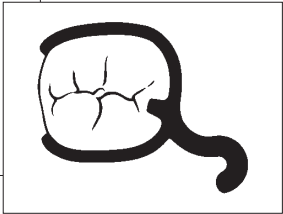
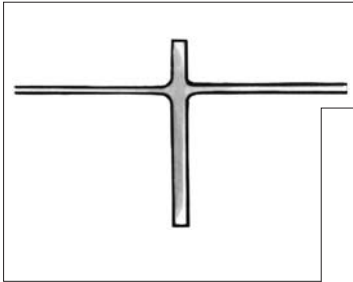
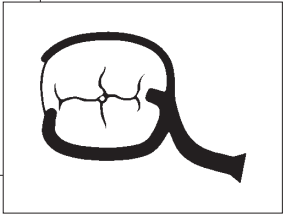
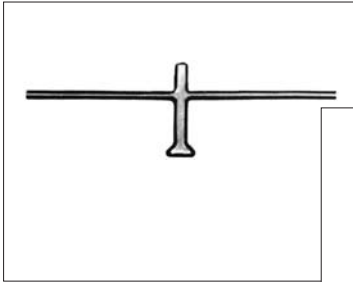
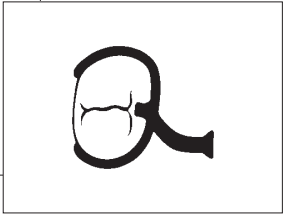
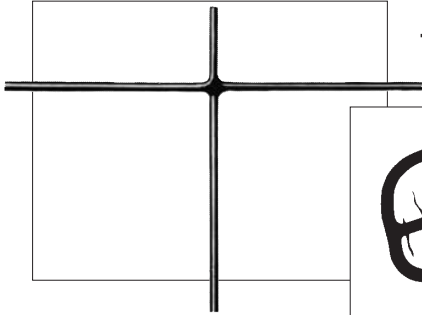
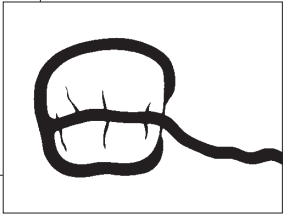
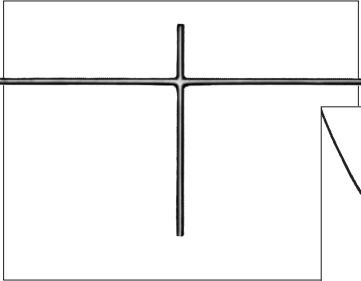
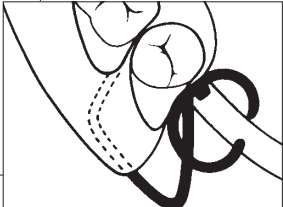
1007

1008

Clasps and Bars

Clasps with occlusal rests and elastic arms

Preformed clasps consisting of a mouth-tolerant, high corrosion-resistant stainless steel alloy; fabricated in a cutting and cold forming process. One piece without any soldering connection with high polished surface. Perfect elasticity and stability.

| Scale of 1:1 | | mm Ø | |
|---|--|----------------------------------|----------------------|
|  <p>N</p>  | | 0,9 1,0 1,2 10/100 pcs. | 1009 1010 1011 |
|  <p>N BI-FORM</p>  | | 0,9/1,2 10 pcs. | 1012 |
|  <p>NK</p>  | | 0,8 10/100 pcs. | 1013 |
|  <p>T</p>  | | 0,9 1,0 10 pcs. | 1026 1027 |
|  <p>TK</p>  | | 0,9 1,0 10/100 pcs. | 1029 1030 |

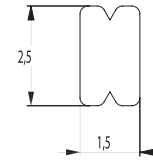
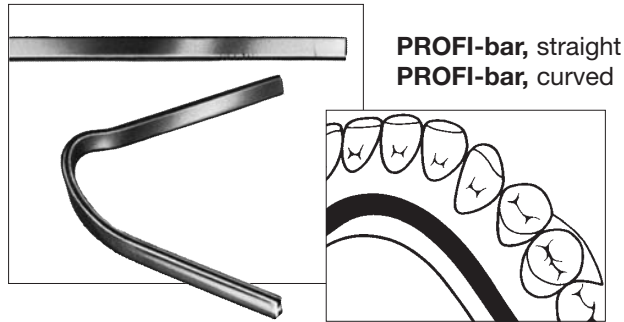
Clasps and Bars

SCHEU-Anchor and J-clasps

Preformed clasps consisting of a mouth-tolerant, high corrosion-resistant stainless steel alloy; fabricated in a cutting and cold forming process. One piece without any soldering connection with high polished surface. Perfect elasticity and stability.

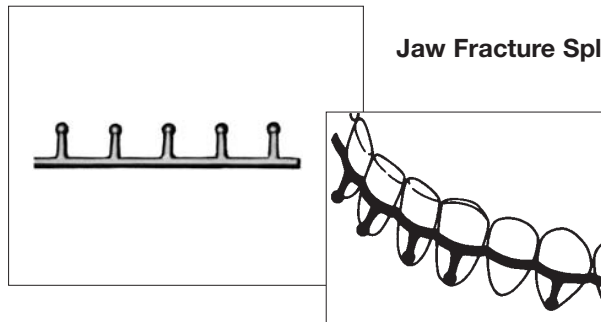
| Scale of 1:1 | | | mm | |
|----------------------------|---|-----------|--|------|
| <p>SCHEU-Anchor</p> | | | Ø | |
| | | | 0,6 | 2048 |
| | | | 0,7 | 2049 |
| | | | 0,8 | 2050 |
| | | | 0,9 | 2051 |
| | | | 1,0 | 2052 |
| | | | 1,2 | 2053 |
| | | 10/100 | | |
| | | 1000 pcs. | | |
| <p>J</p> | | | 0,8 | 1017 |
| | | | 0,9 | 1018 |
| | | | 1,0 | 1019 |
| | | | 1,1 | 1047 |
| | | | 10/100 pcs. | |
| <p>J oblique</p> | <ul style="list-style-type: none"> • upper left 23/24 • lower right | | 0,8 | 1020 |
| | | | 0,9 | 1021 |
| | | | 1,0 | 1022 |
| | | | 1,1 | 1048 |
| | | | *10/100 pcs. *5/50 left 5/50 right in pairs | |
| <p>JM</p> | | | 1,2 | 1023 |
| | | | 10/100 pcs. | |

Bars and Jaw fracture splints



mm
length
80
80
10 pcs.

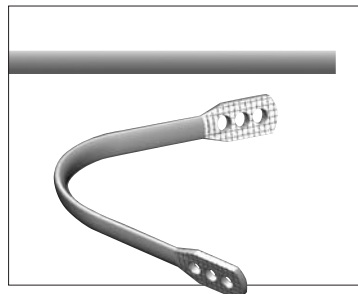
1040
1039



Available in soft and hard.

mm
Ø
hard 1,0
soft 1,0
10/100 pcs.

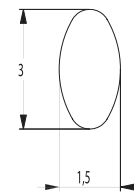
1038
1049



Lingual Bar

Elliptical profile bar made of a hard chrome-nickel-alloy.

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

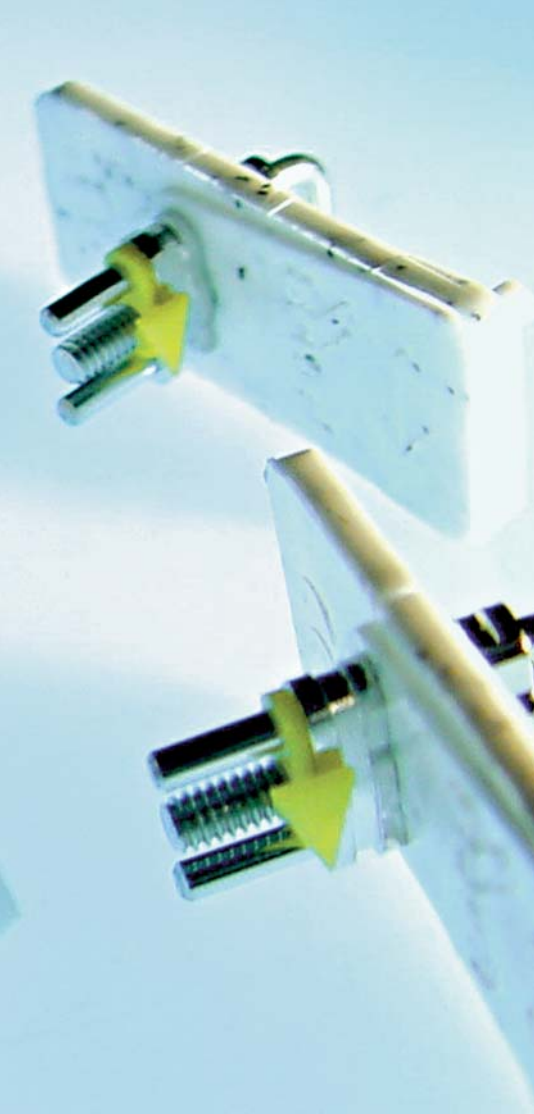


mm
200
60
70
80
10 pcs.

1050
1051
1052
1053



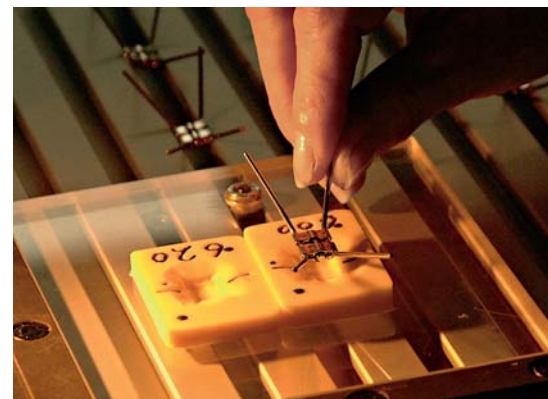
**Precision in
detail**



Orthodontics

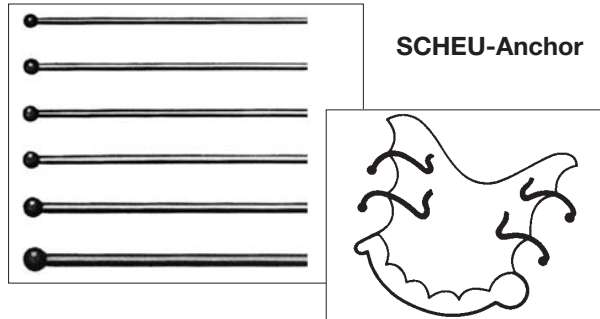
Quality is not a question of size. Our first orthodontic product was the SCHEU anchor; a retention element, still unsurpassed in terms of quality, workmanship and spring force.

Today our orthodontic line is supplemented and enhanced by innovative products such as VECTOR® expansion screws and the CA® splint therapy.



Orthodontics

Preformed wire elements consisting of mouth-tolerant, high corrosion-resistant stainless steel alloys (partially also nickel-free); fabricated in a cutting and cold forming process. One piece without any soldering connection with high polished surface. Perfect elasticity and stability.

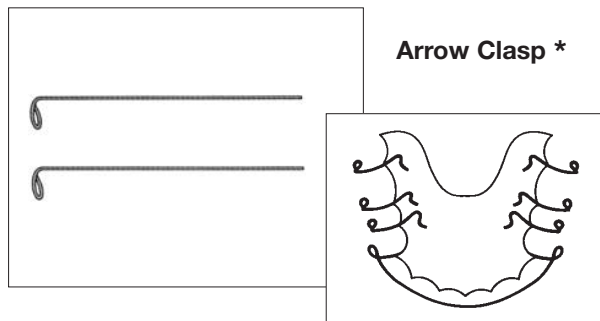


SCHEU-Anchor

Unique retention and elastic force.

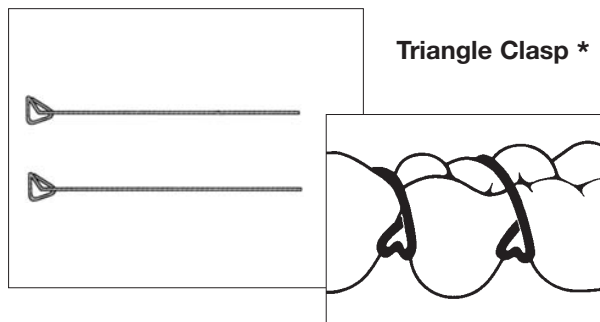
mm
Ø

| | |
|-----------|------|
| 0,6 | 2048 |
| 0,7 | 2049 |
| 0,8 | 2050 |
| 0,9 | 2051 |
| 1,0 | 2052 |
| 1,2 | 2053 |
| 10/100/ | |
| 1000 pcs. | |



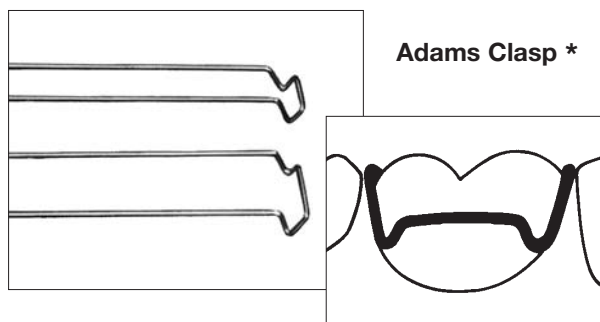
Arrow Clasp *

| | |
|----------|------|
| 0,7 | 2055 |
| 0,8 | 2056 |
| 10/100/ | |
| 1000 pcs | |



Triangle Clasp *

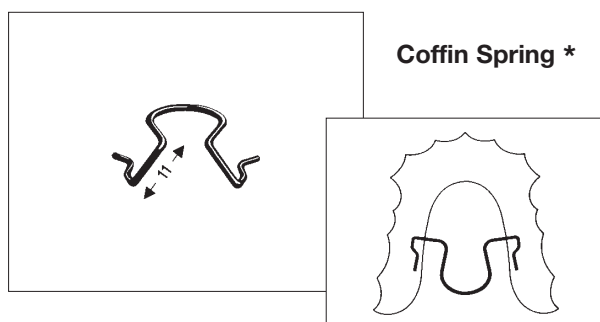
| | |
|-----------|------|
| 0,7 | 2288 |
| 0,8 | 2322 |
| 100/ | |
| 1000 pcs. | |



Adams Clasp *

Modified form for optimised retention and easy adjustment.

| mm ↔ | mm Ø | |
|---------|---------|------|
| 6 | 0,7 | 2104 |
| 7 | 0,7 | 2105 |
| 8 | 0,7 | 2106 |
| 9 | 0,7 | 2107 |
| 10 | 0,7 | 2108 |
| 11 | 0,7 | 2109 |
| | 10/100 | |
| | pcs. | |

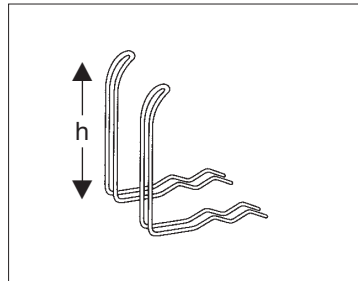


Coffin Spring *

| | | |
|----|--------|------|
| 11 | 1,2 | 2419 |
| | 10/100 | |
| | pcs. | |

Products marked with * are made of the nickel-free alloy MENZANIUM®.

Preformed wire elements consisting of mouth-tolerant, high corrosion-resistant stainless steel alloys (partially also nickel-free); fabricated in a cutting and cold forming process. One piece without any soldering connection with high polished surface. Perfect elasticity and stability.



Frontal Guiding Bars acc. to R. Hinz *

For the treatment of Angle class II by using bimaxillary appliances.

Positioning Support

For insertion and positioning of frontal guiding bars and expansion screws.

Angle tester acc. to Adamik

For fixing and controlling of the insert angle.

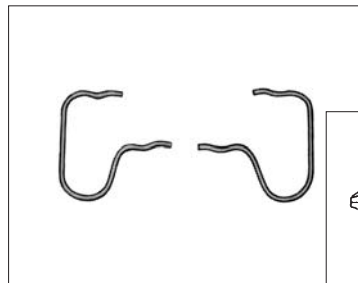
mm
 \updownarrow
 Ø

14 1,2
 18 1,2
 5/50 pair

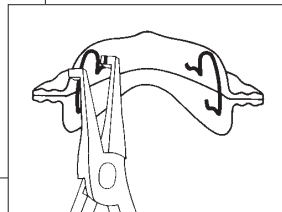
2329
 2330

5 pcs. 2331

1 pc. 2332



U-Bar by Karwetzky



Plier for U-bar

Training DVD on U-bar

Production in the Split Fixator with the Münster separating plate.

The Münster separating plate

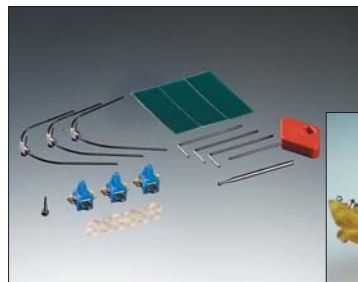
Exact separation of lower / upper jaw resin parts. Suited for Split-Fixator (s.p. 66)

5/50 pairs 2118

1 pc. 2271

1 pc. 2272

1 pc. 5381



BIOGNATH® PRO Starter Kit

Universal activator system for treatment of class II in mixed dentition. Can be activated sagittally, in upper jaw asymmetrically transversal as well. Control of compliance is possible. Kit for 3 activators incl. screws, elastics, auxiliary means, 1 bur and mounting resp. wearing instructions.

1 Kit 2273



BIOGNATH® PRO Block with Pin

BIOGNATH® PRO Pin

VECTOR® 700 BIOGNATH®

Special miniaturised screw for the fabrication of Y-plates and activators, allows asymmetric transversal expansion, additional 20° angle frontal wire retention.

2/10/50 pcs.

10 pcs.

2/10 pcs.

2274

2275

2529

Orthodontics

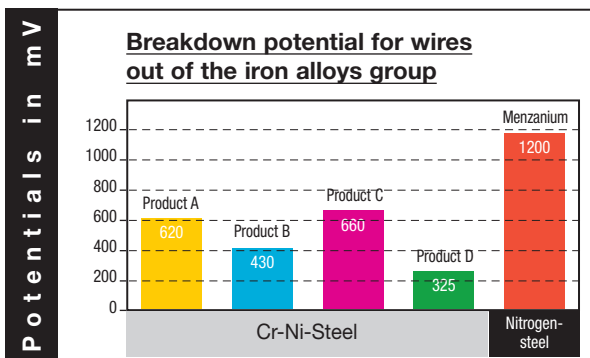
MENZANIUM® wires, polished and diamond drawn. Can be used for joining techniques, eg lasering and welding. Quality, measurements and tolerances acc. to DIN EN ISO 15841



| | mm Ø | inch Ø | m | hard | spring hard |
|-------------------------------|---------|-----------|----|------|----------------|
| MENZANIUM® Coil Wire | | | | | |
| available in: | 0,50 | .020 | 50 | | 8459 |
| hard = 1400-1600 N/qmm | 0,60 | .024 | 40 | | 8460 |
| spring hard = 1800-2000 N/qmm | 0,70 | .028 | 30 | 8453 | 8461 |
| | 0,80 | .032 | 20 | 8454 | 8462 |
| Lab coil: | 0,90 | .036 | 10 | 8455 | 8463 |
| 10-50 m wire length | 1,00 | .040 | 10 | 8456 | 8464 |
| | 1,20 | .048 | 10 | | 8466 |
| Clinic coil: | | | | | |
| 58-330 m / 500 g coil | | | | | |



| | mm Ø | inch Ø | | 75 mm |
|---|---------|-----------|--|--------|
| MENZANIUM® Precut Directed Length Wire | | | | |
| available in: | 0,60 | .024 | | 8478 |
| hard = 1400-1600 N/qmm | 0,70 | .028 | | 8480 |
| spring hard = 1800-2000 N/qmm | | | | |
| packages of 500 g | | | | |
| | 0,70 | .028 | | 150 mm |
| | 0,80 | .032 | | 8482 |
| | 0,90 | .036 | | 8468 |
| | | | | 8469 |
| | | | | 8471 |
| | | | | 200 mm |
| | 0,80 | .032 | | 8470 |
| | 0,90 | .036 | | 8472 |
| | 1,00 | .040 | | 8473 |



Electrochemical study of corrosion properties of orthodontic auxiliaries in artificial saliva (reference electrode Ag / AgCL, rate of feed 1 mV / sec).

Dissertation M. Neuhöfer 1993
Experimental Dentistry
University Dental Clinic Freiburg
(Prof. Dr. H. F. Kappert)

MENZANIUM® is a novel type of stainless steel fabricated in a patented high pressure melting process in which manganese and nitrogen replace the allergenic components of nickel. In comparison to all known materials, corrosion resistance and breaking strength are increased at the same time.

Our technical progress will lead to the change over of our production of preformed wire attachments to the nickel-free* alloy MENZANIUM®.

* Nickel trace elements of 0 - 0,2 % are possible according to material processing.

Orthodontics

CHROMIUM® wires, polished and diamond drawn. Can be used for joining techniques, eg lasering and welding. Quality, measurements and tolerances acc. to DIN EN ISO 15841



CHROMIUM Coil Wire

available in:
hard = 1400-1600 N/qmm
spring hard = 1800-2000 N/qmm

Lab coil:
10-50 m wire length

Clinic coil:
26-324 m / 500 g coil

| mm Ø | inch Ø | m | hard | spring hard |
|---------|-----------|---|------|----------------|
|---------|-----------|---|------|----------------|

clinic and lab coil

| | | | | |
|------|------|----|------|------|
| 0,50 | .020 | 50 | 8323 | 8330 |
| 0,60 | .024 | 40 | 8324 | 8331 |
| 0,70 | .028 | 30 | 8325 | 8332 |
| 0,80 | .032 | 20 | 8326 | 8333 |
| 0,90 | .036 | 10 | 8327 | 8334 |
| 1,00 | .040 | 10 | 8328 | 8335 |
| 1,10 | .044 | 10 | 8329 | 8336 |
| 1,20 | .048 | 10 | 8338 | 8339 |

clinic coil

| | | | | |
|------|------|----|------|------|
| 1,50 | .059 | 36 | 8382 | 8383 |
|------|------|----|------|------|



CHROMIUM Precut Directed Length Wire

available in:
hard = 1400-1600 N/qmm
spring hard = 1800-2000 N/qmm

packages of 500 g

Individual lengths are
available on request.

| mm Ø | inch Ø |
|---------|-----------|
|---------|-----------|

| | |
|------|------|
| 0,60 | .024 |
| 0,70 | .028 |

| | |
|------|------|
| 0,60 | .024 |
| 0,70 | .028 |
| 0,80 | .032 |

| | |
|------|------|
| 0,70 | .028 |
| 0,80 | .032 |
| 0,90 | .036 |
| 1,00 | .040 |

| | |
|------|------|
| 0,80 | .032 |
| 0,90 | .036 |
| 1,00 | .040 |

75 mm

| | |
|------|------|
| 8291 | 8305 |
| 8292 | 8306 |

100 mm

| | |
|------|------|
| 8322 | |
| 8293 | 8307 |
| 8296 | 8310 |

150 mm

| | |
|------|------|
| 8294 | 8308 |
| 8297 | 8311 |
| 8299 | 8313 |
| | 8315 |

200 mm

| | |
|------|------|
| | 8312 |
| 8300 | 8314 |
| | 8316 |

STEADY-RESIN Acrylic



STEADY-RESIN S – Polymer –

1/10 kg

8134



Cold cure resin for the “salt and pepper” technique. This polymer has all characteristics for the “salt and pepper” technique, i. e. liquid absorbs powder properly for stable acrylic that won’t slump.



STEADY-RESIN M – Polymer –

1/10 kg

8135



Cold cure resin for the “premix” technique. The polymer swells gradually which ensures top pouring qualities.



STEADY-RESIN VARIO – Polymer –

1/10 kg

8140

Cold cure resin for orthodontics with an extended working time usable for both the “salt and pepper” and “premix” technique.



STEADY-RESIN S + M – Monomer –

clear
rose
0,5/5 l

8136

8137



The monomer can be mixed with all STEADY-RESIN polymer versions.
The clear monomer can be mixed with STEADY RESIN coloured monomers.

Nozzle for bottles

8149



STEADY-RESIN NEON

Pre-mixed polymer in attractive neon colours. New colour pigments lead to uniform dispersion and streak-free, translucent plates.

yellow
purple
red
blue
green

8125

8126

8127

8128

8129

STEADY-RESIN polymer

Pre-mixed polymer in new attractive colours. Innovative pigments guarantee a constant tint and high-contrast effects.

black
white
200g

8130

8131

Accessories for STEADY-RESIN



Glitter

For individual mixing with STEADY-RESIN polymer.

| | |
|--------|------|
| silver | 8144 |
| gold | 8145 |
| blue | 8146 |
| red | 8147 |
| green | 8148 |
| 50 g | |



STEADY-RESIN coloured monomers

STEADY-RESIN ready for use coloured monomers.

Can be used with STEADY-RESIN S, STEADY-RESIN M and STEADY-RESIN VARIO polymer.

| | |
|------------|------|
| blue | 8351 |
| yellow | 8352 |
| red | 8353 |
| black | 8354 |
| green | 8355 |
| violet | 8356 |
| 100/250 ml | |



RESIMIX®

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

| | | |
|-------|---------------|------|
| 5 ml | 3/30/300 pcs. | 7243 |
| 30 ml | 2/20/200 pcs. | 7284 |
| 70 ml | 1/10/100 pcs. | 7244 |



Orthodontic Insulating Agent

Alginate separation medium for plaster models. Single apply guarantees optimum insulation.

| | |
|---------|------|
| 0,5/5 l | 8364 |
|---------|------|



Spray Bottle

For polymer and monomer with dosing tip and cap. Perfect dosing is reached by piercing the tip with a needle.

| | |
|-------|------|
| 1 pc. | 8141 |
|-------|------|

Spraying Nozzles

Metal spraying nozzles to attach to spraying bottles for even distribution of polymer and monomer.

| | |
|---------|------|
| monomer | 8138 |
| polymer | 8139 |
| 5 pcs. | |

Accessories for STEADY-RESIN



Slotting Cutter

1 pc. 2102



Cutting diameter corresponds to expansion screw. Sleeve protects plaster from getting into handpiece.



Silicone Tube

1 m/10 m 3211

For coating clasps arms (0,6 – 0,8 mm Ø).



Silicone Protection Tube for Fixing Elements

1m 5443

For coating during positioning, polymerisation and polishing.
Fits for OPM, IST®, IST® CLASSIC acc. to Dr. Hinz

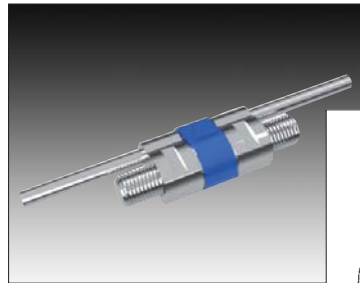


Ortho-Designs

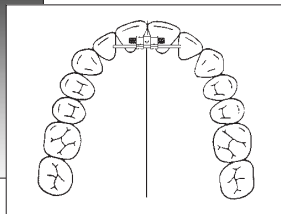
Kit 400 pcs. 8142
Individuals 20 pcs. 8143

Set of monomer-resistant folio pictures for insertion in orthodontic plates or pressure moulding foils.

VECTOR®-Standard Expansion Screws



VECTOR® 40

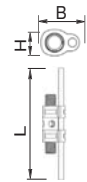


Special miniaturised screw for the fabrication of CA® splints allowing activation and rapid transverse expansion. Permits asymmetric expansion as well. With retention arms providing a secure anchorage with acrylic on the CA® splints.

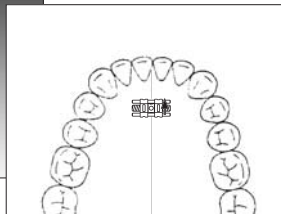
10/50 pcs.

2486

Expansion:
3 mm
B x H:
3,6 x 2,5 mm
Length:
19 mm



VECTOR® 50

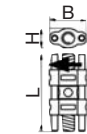


Skeletal miniature expansion screw for transverse expansion of the lower jaw. Can be used in narrow upper jaws as well as for single tooth movement. Light yellow directional arrow.

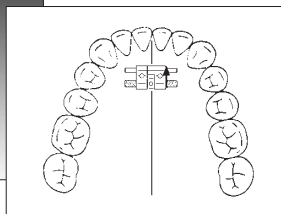
10/50 pcs.

2489

Expansion:
3 mm
B x H:
4,8 x 2,5 mm
Length:
10 mm



VECTOR® 80

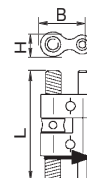


Skeletal expansion screw used for transverse expansion of the lower jaw. Light yellow directional arrow.

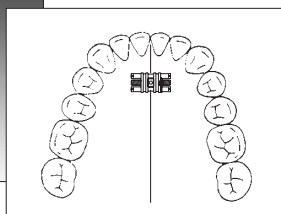
10/50 pcs.

2490

Expansion:
7 mm
B x H:
7,0 x 3,1 mm
Length:
14,3 mm



**VECTOR® 90
VECTOR® 100**



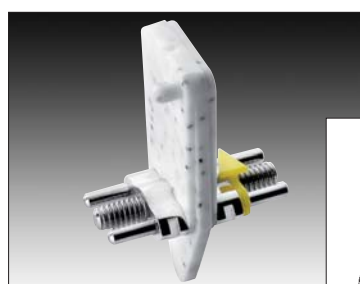
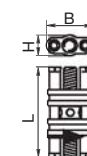
Expansion screw used for transverse and sagittal expansion of the lower and upper jaw. Notches on guide pins prevent screw from exceeding maximum expansion. Light yellow directional arrow.

10/50 pcs.

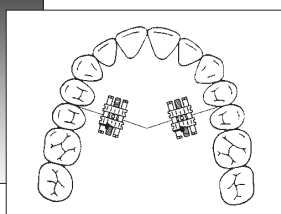
2491

2492

Expansion:
4/5,5 mm
B x H:
6,2 x 3,0 mm
Length:
10/12 mm



**VECTOR® 140
VECTOR® 160**



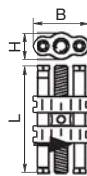
Expansion screw used for transverse and sagittal expansion of the lower and upper jaw. Notches on guide pins prevent screw from exceeding maximum expansion. Light yellow directional arrow.

10/50 pcs.

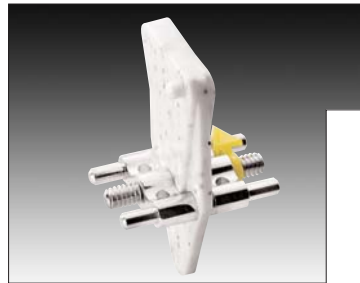
2494

2496

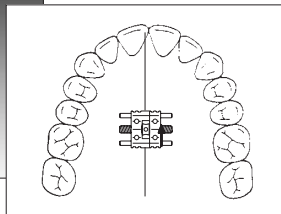
Expansion:
6/7 mm
B x H:
7,5 x 3,3 mm
Length:
12/14,3 mm



VECTOR®-Sector Expansion Screws



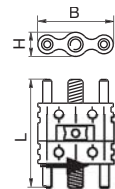
VECTOR® 190
VECTOR® 200



Stable expansion screw used for transverse expansion of the upper jaw and bimaxillary appliances. Additional retention holes in the housing of the screws for maximum retention in the acrylic. Light yellow directional arrow.

10/50 pcs.

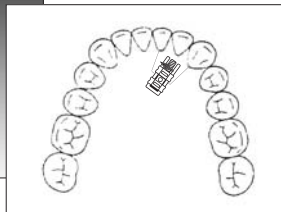
Expansion:
4/8 mm
B x H:
9,8 x 3,1 mm
Length:
10/14,3 mm



2497
2498



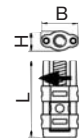
VECTOR® 350



Skeletal miniature sector expansion screw for single tooth movement and segment movement in upper and lower jaw. Light yellow directional arrow.

10/50 pcs.

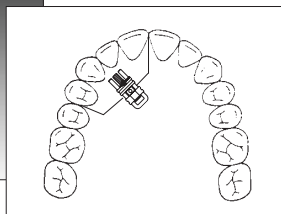
Expansion:
4,0 mm
B x H:
4,8 x 2,5 mm
Length:
10 mm



2509



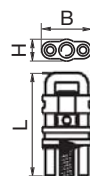
VECTOR® 400



Delicate skeletal sector expansion screw, also suitable for single tooth movement. Light yellow directional arrow.

10/50 pcs.

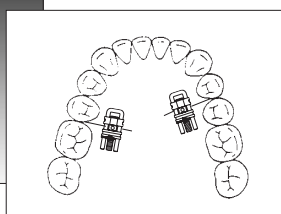
Expansion:
3,5 mm
B x H:
6,2 x 3,0 mm
Length:
11 mm



2510



VECTOR® 420



Delicate sector expansion screw, also suitable for single tooth movements. Light yellow directional arrow.

10/50 pcs.

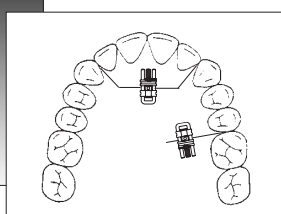
Expansion:
5,5 mm
B x H:
6,0 x 3,0 mm
Length:
13 mm



2512



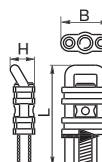
VECTOR® 440



Delicate sector expansion screw, also suitable for single tooth movements. Light yellow directional arrow.

10/50 pcs.

Expansion:
5,5 mm
B x H:
6,0 x 3,7 mm
Length:
13,3 mm

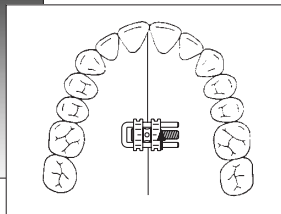


2514

VECTOR® Traction Screws · Palatal Screws



VECTOR® 460

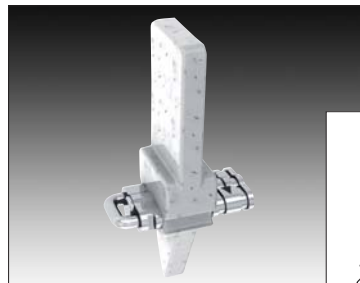
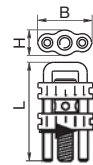


Sector expansion screw in stronger version.
Light yellow directional arrow.

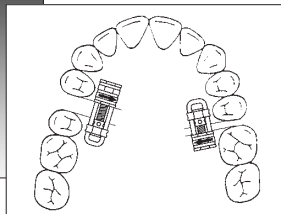
10/50 pcs.

2516

Expansion:
5,5 mm
B x H:
7,5 x 3,3 mm
Length:
13 mm



VECTOR® 500

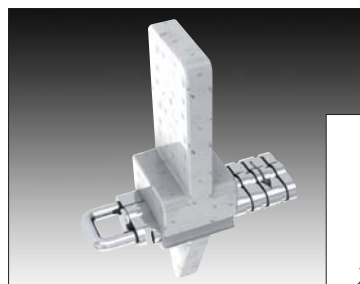


Traction screws for closure of tooth spaces. Black directional arrow on screw housing.

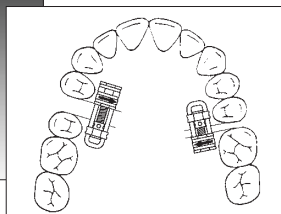
10/50 pcs.

2520

Traction:
3,5 mm
B x H:
6,2 x 3,0 mm
Length:
13,5 mm



VECTOR® 520

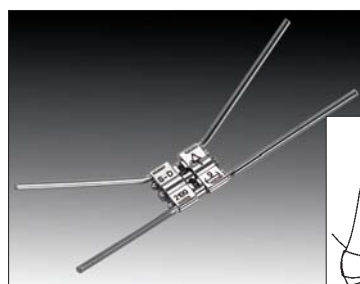
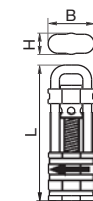


Traction screws for closure of tooth spaces. Black directional arrow on screw housing.

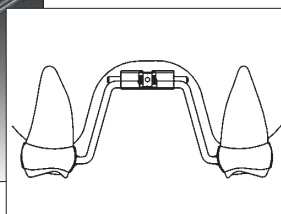
10/50 pcs.

2522

Traction:
6,5 mm
B x H:
6,2 x 3,0 mm
Length:
18 mm



VECTOR® 600

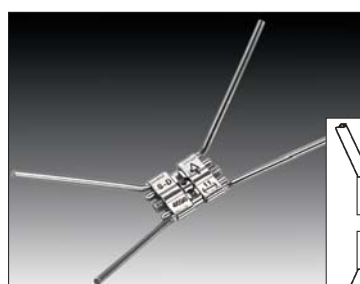
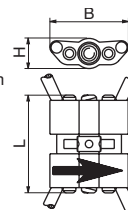


Palatal expansion screw with anatomically bent retention arms that can be easily soldered or welded to molar bands. The specially designed housing fits the palatal vault perfectly. An integrated polyamid insert nut prevents the screw from backing-up. Laser marking for torsional direction and expansion, manufacturer as well as production batch acc. to Medical Device Directive on housing.

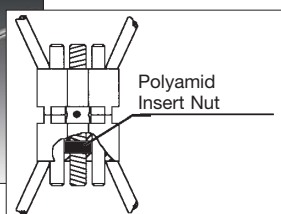
1/10 pcs.

2524

Expansion:
9,0 mm
B x H:
10,4 x 4,0 mm
Length:
13 mm



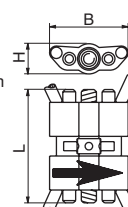
VECTOR® 620



1/10 pcs.

2526

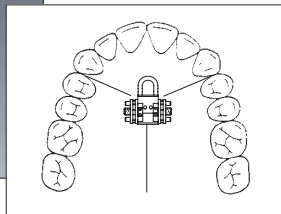
Expansion:
11,0 mm
B x H:
10,4 x 4,0 mm
Length:
15 mm



VECTOR® Multi-Sector and Special Screws

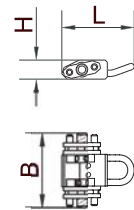


VECTOR® 700 BIOGNATH®



Special miniaturised screw for the fabrication of Y-plates and activators (s.p. 21), allows asymmetric transversal expansion, additional 20° angle frontal wire retention.

Expansion:
2,5 mm/
B x H:
14,0 x 3
Length:
14,0 mm

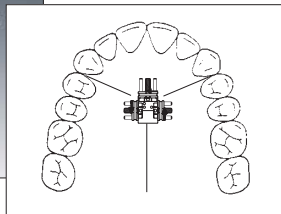


2/10 pcs.

2529

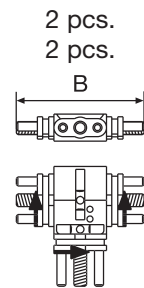
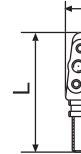


VECTOR® 720 acc. to Bertoni VECTOR® 730 acc. to Bertoni



Special expansion screw for insertion in multi-sector plates, enabling separate protrusion and symmetric resp. asymmetric transverse expansion by double (VECTOR® 720) or triple (VECTOR® 730) spindles working independently from each other.

Expansion:
4 mm/4 mm
B x H:
17,3 x 3,6 mm
Length:
15,7 mm

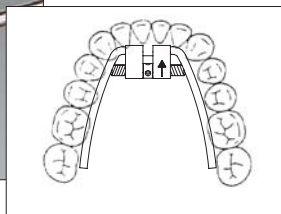


2 pcs.
2 pcs.

2530
2532

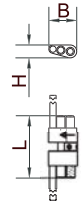


VECTOR® 800 VECTOR® 820



This special miniaturised screw has been designed for expansion of upper and lower arches. It is also suitable for rapid palatal expansion and incorporates 60 mm long stable retention arms. Two integrated polyamid sleeves avoid undesired backing up. Laser marking on housing. Incl. security key.

Expansion:
10 / 12 mm
B x H:
7,0 x 3,30 mm
Length:
13 / 15 mm

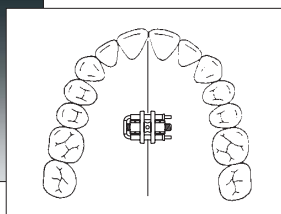


1/5 pcs.
1/5 pcs.

2533
2534

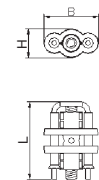


TELESKOP



The TELESKOP U-bar allows a maximum of stable and controlled opening up to an expansion of 10 mm. All STEADY-PRESS-Screws are fabricated according to this system. This system prevents the screw from backing up, because the spindle is pressed in a macrolon housing without any tolerances.

Expansion:
6 / 8 mm
B x H:
7,0 x 5,0 mm
Length:
12 / 14 mm



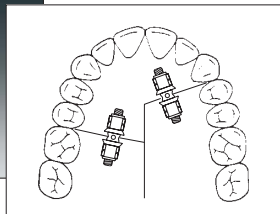
10/50 pcs.
10/50 pcs.

2095
2096

STEADY-PRESS Screws · VECTOR® assortment · Keys



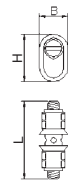
UNI m



UNI m expansion screws are versatile; they can be used for unilateral expansion or activating skeletal expansion plates.

10/50 pcs.

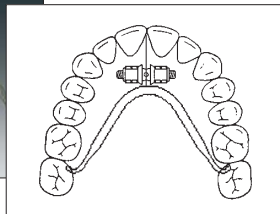
Expansion:
4 / 6 / 8 mm
B x H:
5,0 x 8,5 mm
Length:
11 / 13 / 15 mm



2087
2088
2089



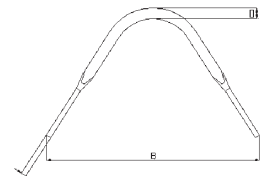
STEADY-Bar



The combination of STEADY-bar and UNI m expansion screws is best suited for anterior expansion. The retention ends of the bar are anchored in the plastic, thus avoiding any movement of the molars.

1/10 pcs.

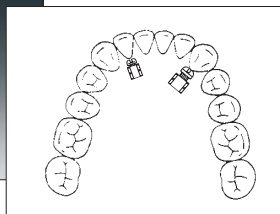
Ø: 1,2 mm B: 50,0 mm
2,5 x 1,5 mm



2047



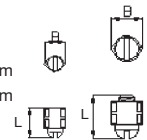
LILIPUT/PICCOLO



Due to their small size, these two expansion screws are designed for single-tooth movement.

10/100 pcs.

Expansion:
2 / 3 mm
B x L:
4,0 x 2,9 mm
5,7 x 3,9 mm



2081
2082

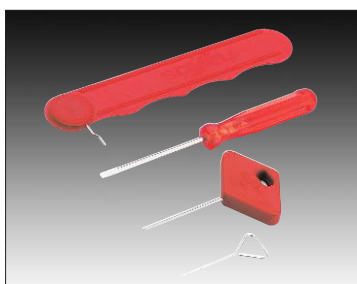


VECTOR®-Assortment of Expansion Screws

with all available expansion screws as well as Steady bar, slotting cutter and 2 keys for expansion screws.

1 pc.

2488



Security Expansion Key
for palatal screws

10 pcs.

2100

Screwdriver
for single tooth expansion screws

10 pcs.

2083

red activation key

1 pc.

9035

Key for Expansion Screws

10/100/1000 pcs.

2101

Set-Up and Positioner Technique

| | | | |
|--|---|--------------------|--------------|
| | Set-Up Plaster | 2,5/5,0 kg | 5266 |
| | White plaster, easy to trim with saw and cutter. | | |
| | Set-Up Model Trimmer | 1 pc. | 5371 |
| | Special carbide bur for drilling and vertical separating cuts. | | |
| | Set-Up Separating Disc | 1/10 pcs. | |
| | Separating disc with stable mesh layer, including 1 mandrel with reinforced shaft, Ø 40 mm. Application: Hard plaster, ceramics, high grade metal, NEM. | 0,5 mm 1,0 mm | 5293 5289 |
| | Set-Up Saw | 1 pc. | 5372 |
| | Due to the angle-formed saw bar precise, controlled cutting of single tooth segments. | | |
| | Sawing Blades 0,15 x 2 x 75 mm Sawing Blades 0,20 x 2 x 75 mm | 10 pcs. 10 pcs. | 5373 5379 |
| | Set-Up Wax Sticks | 20 pcs. | 5268 |
| | Soft setting wax, won't shrink, yellow. | | |
| | Set-Up Wax Bars | 3 pcs. = 150 g | 5368 |
| | Medium soft setting wax, won't shrink, red. | | |

BLUE-BLOKKER® and Accessories



BLUE-BLOKKER®

4 x 1,5 g

5276



Light curing, blue opaque blocking out putty for fabrication of space maintainer for pressure moulded bleaching splints as well as for periodontal splints. Can also be used for sealing of the sawing cuts for set-up models. Optimal flow characteristics, curing in the 380 - 470 nm range.

Cannula micro 0,4 mm

5 pcs.

5277

Cannula mini 0,6 mm

5 pcs.

5278



BIOPLAST®-Insulating Agent

0,5 l

3189

Insulating agent for plaster models when working with BIOPLAST® pressure moulding foils, especially when fabricating positioners and mouthguards. Provides absolute transparency and smooth inner surfaces.



BIOPERM-Trimmer (blue)

2 pcs.

3226

POLYFIX (black)

1 pc.

3371

For polishing and finishing of soft-elastic foils as well as for sandwich material.

6 pcs.

3372



Diamond Separating Disc

1 pc.

5288

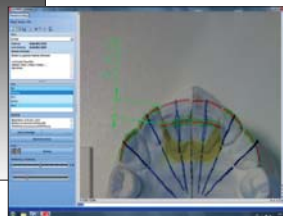
Separating disc diamond coated on both sides (thickness 0,28 mm). Suited for very fine set-up sawing cuts as well as for cutting of splints. Ø 22 mm mounted on mandrel.

CA® CLEAR-ALIGNER splint therapy



CA® SMART

1 ea 5296



The intelligent software solution allowing rapid and precise transpositions in the CA® Set-Up technique. Enables digital measuring of distances and angles on Set-up models for control purposes. Screen display released by live feed video signal. CA® SMART Software comes along with CA® webcam. System requirements: from Windows XP SP 3, USB 2.0 port, mouse with scroll wheel.

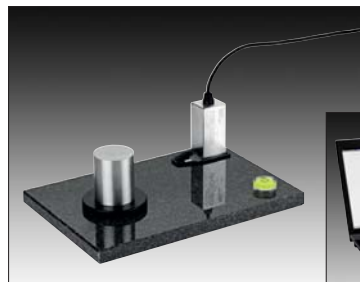


CA® Photo Support

1 ea 5275



Stable height adjustable support for the attachment of the CA® webcam. Technical precondition for the CA® SMART software and accessory. CA® photo support comes along with calibration plate. Dimensions: 180x210x195 mm (width x height x depth)



CA® CHECKER

1 Set 5274



Set consisting of digital precision measurement instrument with USB port, solid base plate made of highly-polished granite, model holder, leveling glass plate and level. Precision measurement instrument equipped with capacitive inclination sensors for determination of torque and angulation values before and after transpositions on Set-up models. System requirements: from Windows XP SP 3, USB 2.0 port



CA® Foils*

10/100 pcs.



High quality transparent, hard-elastic material for gentle tooth alignment with aesthetic splints in the CA® splint therapy. CA® retention foils for long-term use are pre-dried and individually vacuum sealed. Material with original CA® logo and indicating the thicknesses:
soft (0,5 mm), medium (0,625 mm), hard (0,75 mm) and retention (1,0 mm).

| | |
|--------------------------|------|
| CA®-soft | 3405 |
| CA®-medium | 3406 |
| CA®-hard | 3407 |
| 10 pcs. CA®-retention pd | 3440 |



**CA® CYANO VENEER® FAST
CA® Pipettes**

5 g
25 pcs. 5302
5300

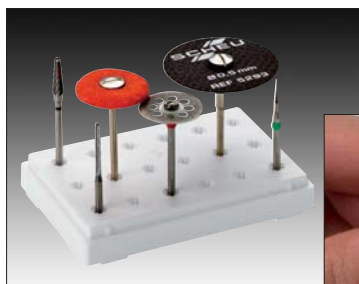
CA® CYANO VENEER® FAST, crystal clear, fast-curing bonding agent, for adhesion of CA® plastic buttons. Can also be used for secure adhesion of screws when fabricating IST® and IST® CLASSIC devices. CA® pipettes for precise dosing of CYANO VENEER® adhesive.



CA® Plastic buttons

4/40 Stück 5301

CA® Plastic Buttons, clear-transparent, allow placing of elastics in Class II+ III therapy.



CA® Grinding Set

6 instruments incl. pulp stone. Set consists of: Set-Up separating disc, diamond separating disc, DIMO® PRO incl. mandrel, HM tri-cutter fine, Set-Up model trimmer, CA® Carbide bur.

1 Set 5263



CA® Carbide Bur

High-compressed carbide bur made of fine grit carbide, high cutting performance, vibration-free concentric running, very long endurance.

1 pc. 5262



CA® TIP 1

1 pc. 5281



Large spherical plier tip. Allows inserting of retention points in pressure moulding splints, for increase of friction.



CA® TIP 2

1 pc. 5291



Small spherical plier tip. Allows forming of activating points.

CA® CLEAR-ALIGNER Splint Therapy



CA® Splint Case*

Handy, zipped case for carrying the CA® splints, incl. retainer box, three plastic bags and three bags of 15 g CETRON® cleansing powder.

1 set

5282



CA® Splint Bags*

Take home re-sealable bag with label space for address and wearing instructions.

100 pcs.

5283



CA® Retainer Boxes

Assortment of coloured, attractive retainer boxes with mirror for storing of CA® splints.

5 red / 5 green
10 pcs.

5285

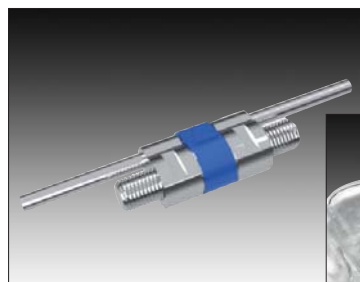


CA® coloured pencils (red/blue)

Coloured pencils for marking the CA® measuring points on the hard plaster models.

2 pcs.

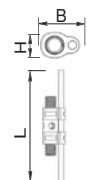
5290



VECTOR® 40

Special miniaturised screw for the fabrication of CA® splints allowing activation and rapid transverse expansion. Permits asymmetric expansion as well. With retention arms providing a secure anchorage with acrylic on the CA® splints.

Expansion:
3 mm
B x H:
3,6 x 2,5 mm
Length:
19 mm



10/50 pcs.

2486

* can be sold only to certified CLEAR-ALIGNER-partners.

Hinge Systems



Hinge System acc. to Herbst*



For the treatment of class II cases, soldered onto bands or polymerized in removable appliances.

- 1 pair of hinges and 4 pairs of fixing elements (incl. hexagon socket screws ①)
- 4 pairs of fixing elements ①
- 1 pair of hinges and 4 pairs of fixing elements (incl. slotted screws ②)
- 4 pairs of fixing elements ②
- 1 pair of hinges

- 5479
- 5455
- 5480
- 5456
- 5478



Distance Rings

Enable progressive postactivating by putting them onto the connecting rod in case of Herbst* appliances. Inner diameter 2,0 mm

- 10 pcs. each mm length
- 1
- 2
- 3
- 4
- 5

- 5481
- 5482
- 5483
- 5484
- 5485



Hinge System acc. to Dr. Amoric



For the treatment of class II cases with removable BIOCRYL® or DURAN® splints. The fixing elements are being anchored on a profile wire and polymerized in a splint. Set incl. 2 pairs of hinges, 3 pcs. profile wire and 4 pairs fixing elements

- 1 set
- 4 pairs of fixing elements
- 3 pcs. profile wire

- 5486
- 5487
- 5488



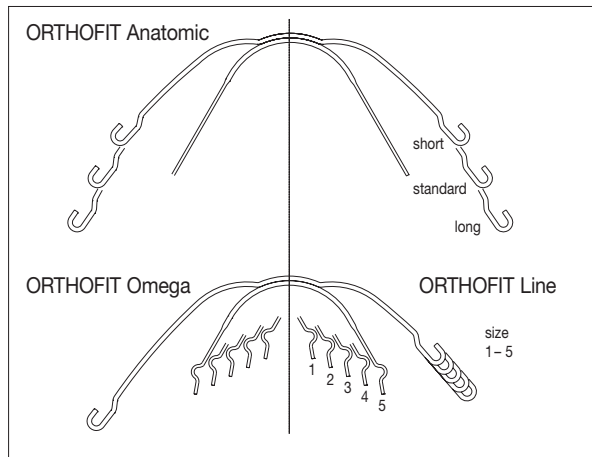
Hinge 44, with slotted Screw

For the treatment of class II cases with removable or fixed splints. The 44 mm long, lasered on retentions guarantee safe hold in the splints.

- 1 pair of hinges and 4 pairs of fixing elements
- 4 pairs of fixing elements

- 5490
- 5489

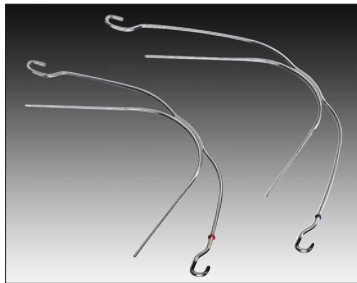
ORTHOFIT®-Face-Bows



Face bow consisting of stainless steel with laser welded inner and outer bow (Ø 1,8 mm) on both sides, permanent mid-marking and colored rings to distinguish the different sizes. The inner bow is onepiece fabricated. Outer bow available in short, standard or long with pulled-in outer loops as well as standard inner bow or U-loops (Ø 1,15 mm, .045") in 5 sizes. The pulled-in outer loops are positioned in an 16° angle for optimum power transmission.

| | |
|-----------------|-----------|
| size | |
| Standard | = 120 mm |
| 1 | = 83 mm |
| 2 | = 90 mm |
| 3 | = 97 mm |
| 4 | = 104 mm |
| 5 | = 111 mm |
| Size inner bow* | |
| 1 | = 26 mm |
| 2 | = 28 mm |
| 3 | = 30,5 mm |
| 4 | = 35 mm |
| 5 | = 39,5 mm |

*see definition on page 39



ORTHOFIT®-Anatomic

Standard inner bow with two different lengths regarding the outer bow.

| | |
|-----------------|------|
| size | ring |
| short | red |
| standard | blue |

2450
2451

1/10/100 pcs.



ORTHOFIT®-Omega

Standard outer bow and inner bow available in five sizes. With U-loops.

| | |
|----------|--------|
| size | ring |
| 1 | black |
| 2 | pink |
| 3 | silver |
| 4 | orange |
| 5 | gold |

2458
2459
2460
2461
2462

1/10/100 pcs.



ORTHOFIT®-Line

Prebent U-loops in five sizes. The inner bow and outer bow have the same length for an optimal force.

| | |
|----------|--------|
| size | ring |
| 1 | red |
| 2 | green |
| 3 | yellow |
| 4 | blue |
| 5 | white |

2453
2454
2455
2456
2457

1/10/100 pcs.



GGA FACE-BOW system acc. to Dr. Herzog

GGA Twin Pad

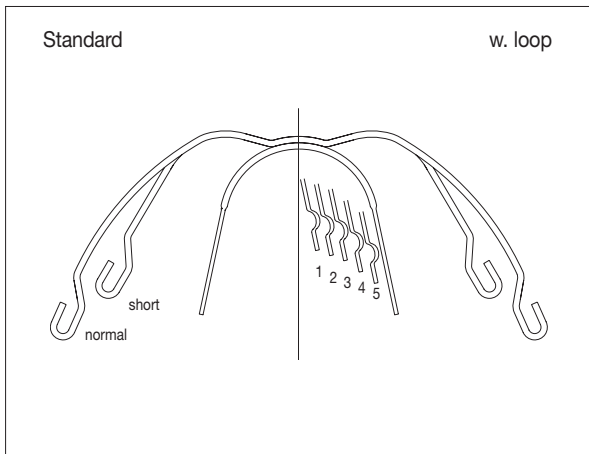
GGA Twin Pad Attachment

| | |
|--------|------|
| 1 set | 2455 |
| 1 pcs. | 2466 |
| 1 pcs. | 2467 |

Treatment and training device for class II/III as well as for specific treatment of orofacial soft tissue dysfunction by means of vertically and horizontally adjustable shields on ORTHOFIT®-Face-Bows.

Please ask for detailed information.

Face-Bows



Face-Bow consisting of conventional or mouth-tolerant stainless steel, inner and outer bow (Ø 2,0 mm), laser welded on both sides. Permanent mid-marking and colored rings to distinguish the different sizes. Inner bow is one-piece fabricated. Available with normal or short outer bow with pulled-in outer loops as well as standard inner bow or U-loops (Ø 1,15 mm, 045") in 5 sizes. Polished stainless steel or coated with colored plastic.

| size | |
|----------|----------|
| Standard | = 120 mm |
| 1 | = 84 mm |
| 2 | = 89 mm |
| 3 | = 94 mm |
| 4 | = 103 mm |
| 5 | = 112 mm |

| Size inner bow* | |
|-----------------|-----------|
| 1 | = 26 mm |
| 2 | = 28 mm |
| 3 | = 30,5 mm |
| 4 | = 35 mm |
| 5 | = 39,5 mm |

*Definition as below

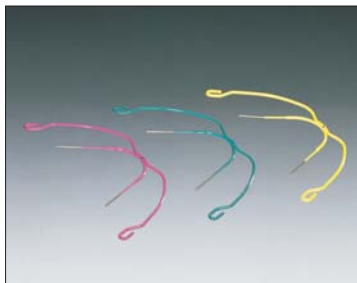


Face-Bow, polished

High-polished stainless steel version, stable laser welding on both sides, one-piece inner bow and normal or short outer bow with colored protection caps. With 15° torque loops.

| size | caps | | |
|----------|----------|---------------|------|
| Standard | = white | short | 2439 |
| Standard | = white | normal | 2119 |
| 1* | = yellow | | 2334 |
| 2* | = blue | | 2335 |
| 3* | = black | | 2336 |
| 4* | = green | | 2337 |
| 5* | = red | | 2338 |

1/10/100 pcs.

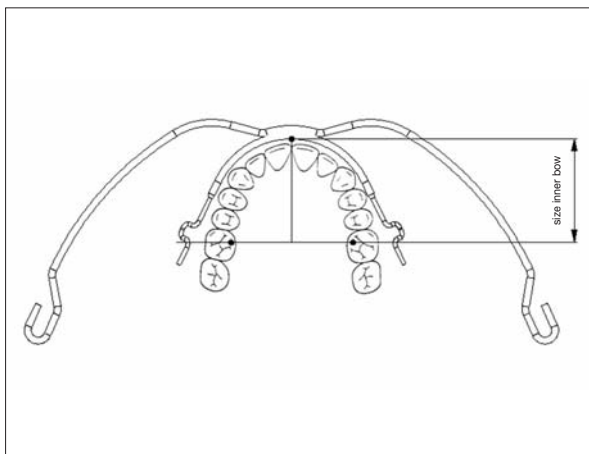


Face-Bow Standard, coated

Stainless steel version, colored coated with plastic, stable laser welding on both sides, one-piece inner bow, and normal or short outer bow.

| | | |
|---------------|--------|------|
| white | normal | 2120 |
| yellow | | 2121 |
| pink | | 2122 |
| mint | | 2123 |
| black | | 2125 |

1/10 pcs.



Definition size inner bow

Please refer to the drawing on the left for exact measuring of the size of the inner bow.

Auxiliaries for Face-Bows, DIN EN ISO 27020



Stopping Tubes

For inner bow 1.15 mm Ø.
Oval shape acc. to. Dr. Toll.

100 pcs.
100 pcs.

2432
2433

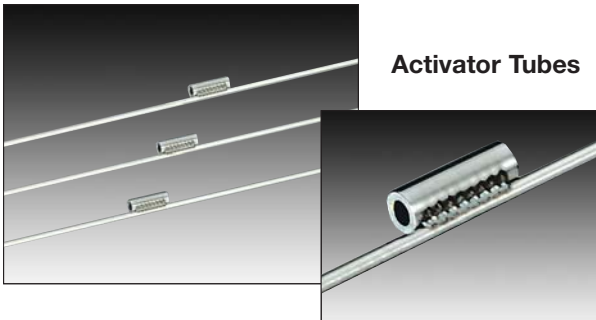


Activator Tubes acc. to Teuscher

For insertion of Face-Bows,
1.15 mm / .045" inner diameter
1.30 mm / .051" inner diameter

10 pcs.
10 pcs.

2436
2434



Activator Tubes

For insertion of face-bows in individually bent
A-clasps, laser-welded on both sides.
Tubes: 4.5 mm L / 1.15 mm/.045" inner
Wire: 0.7 mm sh / 125 mm L
Tubes: 6 mm L / 1.15 mm/.045" inner
Wire: 0.8 mm sh / 125 mm L
Tubes: 6 mm L / 1.15 mm/.045" inner
Wire: 1.0 mm h / 125 mm L

10 pcs.

2470

10 pcs.

2471

10 pcs.

2472

Measuring Control and Gauge for Orthodontics



ARCO-ZET

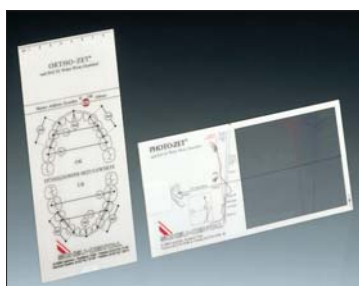
For the determination of sagittal and transverse asymmetries of the dental arch in three steps. Can also be used for control of arch form of fixed orthodontic appliances.

1 pc. 8426

ARCO-PLAN®

Measuring screens (1 cm-, 2 mm-, 1 mm-screens) for the determination of asymmetries and symmetries of dental arches (see above). According to Prof. Dr. W. Weise, Düsseldorf.

1 pc. 8421



ORTHO-ZET®

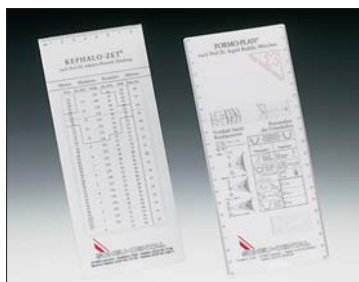
For the purpose of shape evaluation of the dental arch in five steps. Ten reference values from one hand. Clinically proven for a period of twenty years. According to Prof. Dr. W. Weise, Düsseldorf.

1 pc. 8204

PHOTO-ZET®

For analysis of profile photos according to face type, relation of lips and jaw with designed labels. According to Prof. Dr. W. Weise, Düsseldorf.

1 pc. 8429



KEPHALO-ZET

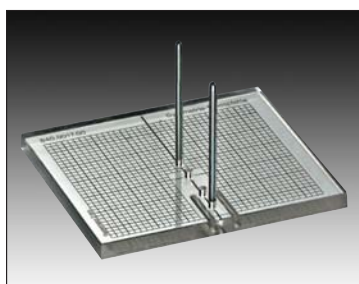
For analysis of lateral radiographs according to individualized cephalometry. According to Prof. Hasund, Hamburg.

1 pc. 8362

FORMO-PLAN

Drawing template, gauge and data collection for diagnosis and therapy. According to Prof. Dr. I. Rudzki, München.

1 pc. 8363



Symmetry Measuring Gauge

6 mm acrylic glass with two positioning pins which can be inserted for the exact positioning on raphe palati. The 2 mm screen enables precise determination of sagittal and transverse asymmetries of the dental arch.

1 pc. 8431



RETAINER-Boxes

For orthodontic appliances or BIOPLAST® mouthguards. Available in 5 colors.

10 pcs.

5435



CETRON® Cleansing Set

Storage, cleansing and travel box incl. brush and 5 bags of 15 g cleansing powder. For hygienic and long lasting care of dentures, ortho plates, splints and snoring devices.

1 Set

3235



CETRON® Cleansing Powder

Mild and long lasting powder for cleansing of ortho plates, splints, dentures, mouthguards. Bags 15 g

5/25/250 bags

3239



CETRON® Cleansing Spray

Care and cleansing of splints, dentures, ortho plates, mouthguard and snoring devices, reduces monomer taste, ensures high polished appliances and leaves a fresh taste for patient comfort. Lemon taste.

1/10 pcs.

3238

Pliers for wire bending made of high grade stainless steel with exact machined tips and precisely guided pivots. The ergonomically, rounded off design enables long handling without fatigue.



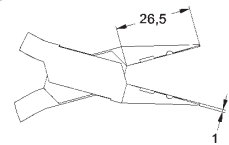
CARAT® Crampon pliers

1 pc.

2040



Pin and wire cutting/bending pliers suitable for hard wires up to diameter 1.2 mm and ductile wires up to diameter 1.5 mm. The tips are chequered and crenate.



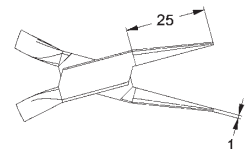
CARAT® Wire bending pliers

1 pc.

2041



Sharp flat pliers according to Marburg model with delicate, chequered guiding tips.



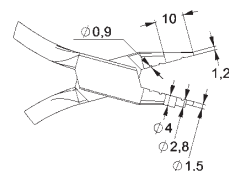
CARAT® Young pliers

1 pc.

2042



Clasp forming and bar bending pliers with multiple crenate tips. Suitable for hard wires up to diameter 0.7 mm.



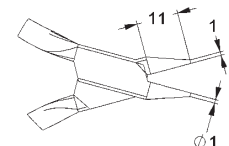
CARAT® Angle pliers

1 pc.

2043



Bird-break pliers with a square end and a round tip made of hardened steel, suitable for wires up to a diameter of 0.7 mm.



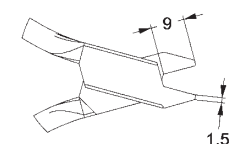
CARAT® Aderer pliers

1 pc.

2044



Aderer wire bending pliers for three finger use. Reinforced plier tips, suitable for wires with a diameter of up to 0.9 mm.





**Quality of life
based on innovation**



Dental Sleep Medicine

We assure restful sleep.

Trust in the market leader in dental sleep medicine. The IST® unit and the TAP® rail set the standard for successful treatment of snoring and sleep apnoea.



Hinge Systems



IST®-Appliance Kit

Intraoral snoring appliance, fabricated with the pressure

moulding procedure. The connection between upper and lower jaw is done by 2 telescopes which can be subsequently activated up to 5 mm, thus controlling the protrusion.

IST®-Kit includes telescopes, blanks, acrylic, fixing elements, key, SCHEU-anchors, Alastik chain, retainer box for patient, CETRON® sample bags, OCCLUSION TRAINER and instruction manual.

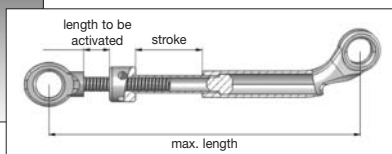
| | |
|-------------|------|
| 1 Kit HF 5 | 5447 |
| 1 Kit HF 9 | 5461 |
| 1 Kit HF 15 | 5463 |



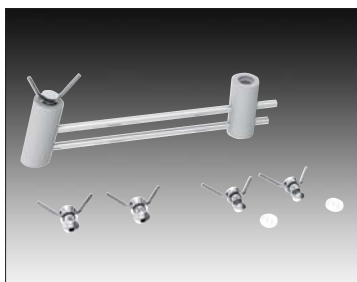
TELESCOPES HF 5 With stop, 3 mm length to be activated, stroke 5 mm 1 pair 5448

TELESCOPES HF 9 With stop, 5 mm length to be activated, stroke 9 mm 1 pair 5450

TELESCOPES HF 15 With stop, 5 mm length to be activated, stroke 15 mm 1 pair 5452



| | min. length | max. length | stroke | length to be activated | REF |
|-------|-------------|-------------|--------|------------------------|--------|
| HF 5 | 20 mm | 28 mm | 5 mm | 3 mm | 5448.1 |
| HF 9 | 25 mm | 39 mm | 9 mm | 5 mm | 5450.1 |
| HF 15 | 31 mm | 51 mm | 15 mm | 5 mm | 5452.1 |



Positioning Support

provides the exact angle position for insertion of the IST®-fixing elements.

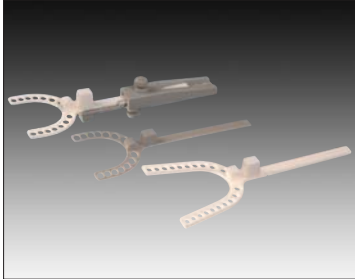
- ① For the IST®-CLASSIC (15°/0°) 1 pc 5463
- ② For the IST®-appliance (12°/0°) 1 pc 5469

Fixing Elements only for IST®-Appliance, with O-ring and stable retention 4 pairs 5468

O-Rings only for IST®-Appliance 10 pcs. 5466

Fixing Elements for IST® Appliances/Herbst*-Appliances/IST®-CLASSIC, with hexagon socket screw 4 pairs 5457

Hexagon socket screw 4 pairs 5458



GEORGE GAUGE™ Bite Registration, incl. 3 bite forks as indicated below 1 Kit 5471
 for simple and precise recording of occlusion in snoring therapy and orthodontics, bite fixation is adjusted by 2 resp. 5 mm bite fork.

GEORGE GAUGE™ BITE FORK 2 mm, grey, small (S) 10 pcs. 5472

GEORGE GAUGE™ BITE FORK 5 mm, white, small (S) 10 pcs. 5473

GEORGE GAUGE™ BITE FORK 5 mm, white, large (L) 10 pcs. 5462



IST®-CLASSIC-Kit acc. to HINZ 1 Kit 5467

Intraoral snoring appliance, fabricated with the pressure moulding procedure.

The connection between upper and lower jaw is done by 2 bars which can be subsequently activated up to 12 mm, thus controlling the protrusion.

IST®-CLASSIC Kit includes bars, blanks, acrylic, fixing elements with hexagon socket screws, red activation key, retainer box for patient, OCCLUSION TRAINER, CETRON® sample bags and instruction manual.



IST®-CLASSIC Bars 1 pair 5451

IST®-CLASSIC bars allow continuous adjustment. Special fixing elements of the bars in the upper and lower jaw release a pendular movement, enabling the protrusion of the lower jaw.

TAP® Standard · TAP®-T · TAP®-T Reverse · Accessories



TAP®-Set Standard

System for the fabrication of an intraoral anti-snoring-device developed by Dr. Thornton with standard hook, hexagon socket wrench, OTCCLUSION TRAINER, 5 bags CETRON® retainer box and patient information.



Locator Nut Set with hexagon socket fixing screws
Mounting device

1 Kit 9000
1 pc. 9015
1 pc. 9016



TAP®-T

New: With more vertical tolerance. Further development of the intraoral anti-snoring device by Dr. Thornton. Kit includes protrusion adjustment device made of titanium, nickel-free stainless steel lower guiding device, hexagon socket wrench, red activation key, 5 bags 15 g CETRON® cleansing powder, OTCCLUSION TRAINER, cleansing box and patient information.



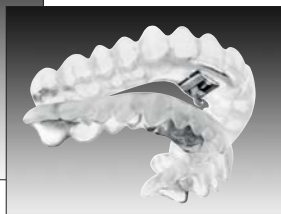
Mounting device

1 Kit 9030
5 pcs. 9039



TAP®-T Reverse

New version with reduced upper protrusion adjustment device made of titanium for patients with deep bite. Palatal activation is possible. Set consisting of reduced protrusion adjustment device, nickel-free stainless steel lower guiding device, red activation key, OTCCLUSION TRAINER, 5 bags 15 g CETRON® cleansing powder, cleansing box and patient information.



Mounting device

1 Kit 9050
5 pcs. 9039



TAP®-T Matrix

Reusable, made of heat-resistant silicone for efficient fabrication of the sticky wax spacer – makes sure the titan hook runs free in the lower splint.



2 pcs. 9037



TAP® Case

Zipped case for storing and carrying the TAP® and TAP-T® appliance.

1 pc. 9082



OCCLUSION TRAINER

Condylar reposition device for patients' training after wearing protrusion splints during the night.

10 pcs. 5470



OPM-Kit

Accessories for the fabrication of an intraoral anti-snoring-device, contains 6 pairs of plastic bars (25-30 mm length) and 4 fixing elements with O-rings. Can also be used for the fabrication of Class II appliances.

1 pc. 5495



OPM positioning device for the exact positioning of OPM bars (0°/0°)

1 pc. 5496

OPM bars, 25 - 30 mm

6 pairs 5494



SD-METAL PRIMER

Bonding agent for perfect adhesion between acrylics and any kind of metal. Reduces crevice corrosion. To be used when inserting TAP® elements, IST® fixing elements or polymerized retention and clasps elements. For orthodontics and prosthetic acrylics and veneers.

5 ml 9038



**SD-CYANO VENEER® FAST
SD-Pipettes**

Crystal clear, fast-curing bonding agent, for adhesion of elements of TAP®, IST® and IST®CLASSIC appliances. Can also be used for secure adhesion of screws in sleep medicine and orthodontics.

SD-pipettes for precise dosing of SD-CYANO VENEER®FAST.

5 g 3701
25 pcs. 3703



**Confidence
built on quality**



Thermo Forming Technique

Tried and tested. Our pressure moulding material has been cell-biology tested at the University of Heidelberg to DIN 13930 and by the AMES test.

The results clearly show that our material is non-mutagenic, non-toxic and non-irritating to mucous membranes. In other words: our material is outstandingly bio-friendly!

The barcode on each sheet allows quick and simple handling.



Material

○ = round material



BIOCRYL® „C“

Break-resistant acrylic material made of pure PMMA material, monomer free, without allergic reaction, bonds to acrylic.



Application: denture bases, immediate dentures, orthodontic retainers.

- 1.5 x 125 mm clear 3145
- 2.0 x 125 mm clear 3147
- red 3149
- blue 3150
- yellow 3151
- rose-transp. 3152
- 3.0 x 125 mm clear 3153

10/100pcs.



BIOCRYL® „M“

Hard elastic, monomer free material, without irritant agent, bonds to acrylic.



Application: orthodontic plates and retainers.

- 2.0 x 125 mm 3228
- multicolor-set** 3229
- polka-dots** 3230
- zebra** 3231
- rainbow** 3232
- tiger** 3233
- camouflage** 3233

10 pcs.



DURAN®

Hard-elastic, highly transparent material, bonds to acrylic.



No predrying necessary.

Application: periodontal splints, bite guards, retainer splints, invisible retainers, CMD-splints, temporary crowns and bridges, temporary and fluoride splints.

- 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 pcs.



DURAN®+

Hard-elastic transparent material with integrated insulating foil, bonds to acrylic. No pre-drying.

Application: Miniplast splints, occlusion splints, CMD splints, X-Ray/drilling templates, temporary and fluoride splints, Invisible Retainers

- 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 pcs.

Material

○ = round material



DURASOFT®

Break and abrasion-resistant compound material – hard on one side and soft on the other
 0.7 mm hard, 0.5 mm soft (1.2 mm)
 0.8 mm hard, 1.0 mm soft (1.8 mm)
 1.2 mm hard, 1.3 mm soft (2.5 mm).
 The hard side bonds to acrylic.
 Predrying necessary.



- 1.2 x 125 mm 3340
- 1.8 x 125 mm 3193
- 2.5 x 125 mm 3386
10/100 pcs.

Application: periodontal splints, night-guards, bite splints.



DURASOFT® pd

Compound material as above, but already predried and individually vacuum sealed, for instant use.

- 1.2 x 125 mm 3342
- 1.8 x 125 mm 3388
- 2.5 x 125 mm 3387
10 pcs.



IMPRELON® „S“

Extremely break and abrasion resistant material, bonds to acrylic.
 Predrying necessary.



Application: periodontal splints, bite guards, occlusal splints, adapter splints.

- 0.5 x 125 mm 3357
- 0.75 x 125 mm 3171
- 1.0 x 125 mm 3172
- 1.5 x 125 mm 3389
- 2.0 x 125 mm 3276
- 3.0 x 125 mm 3275
10/100 pcs.



IMPRELON® (2.0 / 3.0 mm)

Hard material, without elasticity, bonds to acrylic.



Application: IMPRELON® in clear and nature for impression trays and dressing carriers; white IMPRELON® for chin caps, bite splints and bite registration blocks.

- 2.0 x 125 mm clear 3164
- 2.0 x 125 mm white 3173
- 3.0 x 125 mm clear 3168
- 3.0 x 125 mm white 3274
- 3.0 x 125 mm nature 3361

10/100 pcs.



BIOPLAST® MULTICOLOR Kit

Kit consists of:
 1 BIOPLAST® MULTICOLOR (3 mm),
 1 BIOPLAST® clear (2 mm),
 1 CETRON® cleansing powder,
 1 retainer box,
 1 BIOPLAST® insulating agent



- Germany 3301
- France 3302
- Italy 3303
- Spain 3304
- Sweden 3305
- Brazil 3306
- Transylvania 3307
- Atlantis 3308
- White Dots 3309
- Green Dots 3310

Tip: Different diameters (○/□ 120/125 mm) for other moulding machines are also available on request.

BIOPLAST®

○ = round material



BIOPLAST® COLOR

Soft, pliable rubber material.



Does not bond to acrylic.

Application:
colored mouthguard, positioner

blue transp.
red transp.
yellow
red
white
black
neon red

| | ○ 2.0 | ○ 3.0 | ○ 5.0 |
|--------------|-------|-------|--------|
| blue transp. | 3278 | 3356 | 3362** |
| red transp. | 3279 | 3355 | |
| yellow | 3280 | 3281 | |
| red | 3272 | 3282 | |
| white | | 3445 | |
| black | | 3448 | |
| neon red | | 3352 | 3364 |
| | | 3353 | 3366 |
| azure blue | | 3354 | |
| color-Set | | 3271 | |

10 pcs.



BIOPLAST® MULTICOLOR

Soft, pliable rubber material.



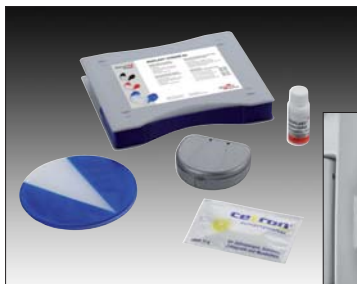
Does not bond to acrylic.

Application:
colored mouthguard, positioner

Germany
France
Italy
Spain
Sweden
Brazil
Transylvania
Atlantis
White Dots
Green Dots
Multicolor Set

| ○ 3.0 |
|-------|
| 3390 |
| 3391 |
| 3392 |
| 3393 |
| 3394 |
| 3395 |
| 3396 |
| 3397 |
| 3398 |
| 3399 |
| 3400 |

10 pcs.



BIOPLAST® XTREME Kit**

With integrated reinforcement in the front tooth area.



For absorption of hard and flat impacts in contact sports. Two degrees of hardness in one pressure moulding sheet. V-shaped harder insert for variable size of front tooth protection.

Kit includes: 1 BIOPLAST® XTREME, 1 bag CETRON® Cleansing powder, 1 retainer box, 1 BIOPLAST® Insulating agent

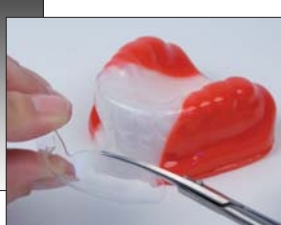
- 5.0 x 125 mm red
- 5.0 x 125 mm blue
- 5.0 x 125 mm black

| |
|------|
| 3283 |
| 3284 |
| 3285 |



BIOPLAST® XTREME PRO-Kit**

For professional sports where hard and flat impacts often occur.



Mouthguard material with additional hard-elastic layer

Kit consists of:
1 BIOPLAST® XTREME,
1 BIOPLAST® clear (2 mm),
1 DURAN® (0,75 mm),
1 bag CETRON® cleansing powder,
1 retainer box,
1 BIOPLAST® insulating agent

- 4.0 x 125 mm red
- 4.0 x 125 mm blue
- 4.0 x 125 mm black

| |
|------|
| 3292 |
| 3293 |
| 3294 |



BIOPLAST® XTREME**

Mouthguard material with integrated reinforcement in the front tooth area.
Mouthguard material in packages of 10 pcs.

- 4.0 x 125 mm red
- 4.0 x 125 mm blue
- 4.0 x 125 mm black
- 5.0 x 125 mm red
- 5.0 x 125 mm blue
- 5.0 x 125 mm black

| |
|------|
| 3295 |
| 3296 |
| 3297 |
| 3286 |
| 3287 |
| 3288 |

10 pcs.

Tip: Different diameters (○/□ 120/125 mm) for other moulding machines are also available on request.

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

Material



BIOPLAST®/BIOPLAST® bleach

Soft, pliable rubber material.



Does not bond to acrylic.

Application: model duplications, mouth protection (sports), night guards, positioner, bleaching splints

○ = round material

- 1.0 x 125 mm
- 1.5 x 125 mm
- 2.0 x 125 mm
- 3.0 x 125 mm
- 4.0 x 125 mm
- 5.0 x 125 mm
- bleach** ○ 1.0 x 125 mm

10/100 pcs.

clear
3270
3183
3185
3187
3188
3374
3190



BRUX CHECKER® acc. to Prof. Sato



One sided colour coated analysis and diagnostic foil for TMJ therapy and prosthodontics.

- 0.1 x 125 mm

10 pcs.

3209



COPYPLAST®



Tough elastic material. Does not bond to acrylic.

Application: model duplications, bracket transfer trays, moulds for temporary crowns and bridges, bleaching trays.

- 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

10/100 pcs

nature
3177
3169
3179
3175
3181



COPYPLAST® „C“

High transparent and tough elastic material, resisting to fraction and abrasion, does not bond to acrylic.

Application: Long term and invisible retainer, orthodontic adjustment and set-up splint.

- 1.0 x 125 mm

10/100 pcs.

3403



HARDCAST®



Hard elastic material. Does not bond to acrylic; combustible.

Application: copings, spacer foil for bleaching splints.

- 0.4 x 125 mm
- 0.6 x 125 mm
- 0.8 x 125 mm

10/100 pcs.

3194
3195
3200

Material · OSAMU-Retainer® · Accessories



Spacer Foil, clear

○ 0.1 x 125 mm
100 pcs.

3202

Used when fabricating copings, remove before embedding.



ISOFOLAN®

○ 0.1 x 125 mm
100 pcs.

3207

Foil used for optimal insulation for plaster models against cold cure acrylics in the pressure moulding technique. Should also be used as spacer foil when pressurizing hard-elastic plates for splints.



OSAMU-Retainer®-Kit

Transparent retainer according to Dr. Yoshii.

1 pc.

3242



Fabrication with pressure moulding technique using BIOPLAST® 1,5 mm and IMPRELON „S“ 0,75 mm. Bonding of foils with OSAMU-Bond. OSAMU-Retainer®-Kit for fabrication of 10 retainers.

OSAMU-Bond

10/100 ml

3246

OSAMU-Polisher (grey)

2 pcs.

3247



SALIPROTECT®-Kit

Kit for fabrication of splints indicated for the therapy of xerostomia.

1 Kit

5510



1 kit contains: 2 SALIPROTECT®, 2 BIOPLAST®, 20 ml BIOPLAST® insulating agent, 1 space holder, 1 storage box, 1 rack including 30 patients flyers, 1 presentation CD, 30 Nisita® tablets and 5 bags of CETRON® cleansing powder.

SALIPROTECT®

5/5 pcs.

5511

5 SALIPROTECT® and 5 BIOPLAST® 1,0 mm.



BLUE-BLOKKER

4 x 1,5 g

5276



Light curing, blue opaque blocking out putty for fabrication of space maintainer for pressure moulded bleaching splints as well as for periodontal splints. Can also be used for sealing of the sawing cuts for set-up models. Optimal flow characteristics, curing in the 380 - 470 nm range.

Cannula micro 0,4 mm

5 pcs.

5277

Cannula mini 0,6 mm

5 pcs.

5278

Accessories



Blocking-out Putty

Permanent plastic modelling material for blocking-out undercuts.

250 g

3220

SIL-KITT

Permanently plastic transparent silicone specially for blocking out of pressure moulded splints, anti snoring and orthodontic appliances.

150 g

3443



BIOPLAST®-Insulating Agent

Insulating agent for plaster models when working with BIOPLAST® pressure moulding foils, especially when fabricating positioners and mouthguards. Provides absolute transparency and smooth inner surfaces.

0,5 l

3189

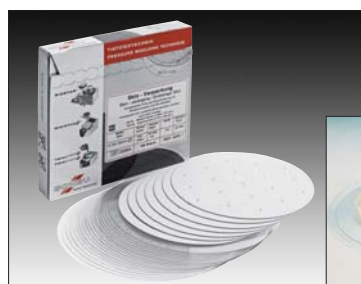


Foam Discs

Space maintainer and insulation for pressure moulded impression trays, Ø 103 mm.

10 pcs.

3444



Skin-Packaging

Protection packaging for shipment of breakable models, consisting of cardboard and coating foil.

100 pcs.

3206



Coating foil

Protection cover for study models, orthodontic models, 0,15 x 125 mm.

100 pcs.

3203



BIOCRYL®-RESIN

Special orthodontic acrylic for BIOSTAR® technique for attaching clasp arms and expansion screws when fabricating orthodontic plates and retainers out of BIOCRYL® „C“ and BIOCRYL® „M“.

0,25 l/0,5 l
400 g/1000 g

3218

3221



DURASPLINT® and Accessories



DURASPLINT®-Kit

High transparent cold-cure resin specially for fabrication of adjustments/splints. Simple handling, little shrinkage, simple to trim. Kit includes 200 g/100 ml polymer/monomer, measuring bowls, separator, bonding liquid and detailed instruction.



| | |
|---------------|------|
| 1 Kit | 3257 |
| 200 g/400 g | 3258 |
| 100 ml/250 ml | 3259 |



PERLIBOND

Bonding agent for acrylics. Optimal adhesion between different materials. Also suited for etching BIOSTAR® / MINISTAR® pressure moulding materials, especially IMPRELON „S“® and DURASOFT®.

| | |
|-------|------|
| 20 ml | 4239 |
|-------|------|



Impression Tray Handles

Stable, handy plastic handles. Can be fixed to tray with cold-cure resin and adjusted individually by heating.

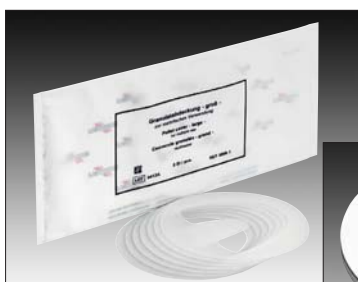
| | |
|-------------|------|
| 10/100 pcs. | 3216 |
|-------------|------|



Stainless Steel Pellets

For embedding models in the pressure moulding mache, especially when fabricating splints.

| | |
|------|------|
| 1 kg | 3222 |
|------|------|



Pellet cover



To be used for covering stainless steel pellets while pressurizing splints. For multiple use.

| | |
|---------|------|
| large | 3006 |
| small | 3007 |
| 10 pcs. | |

Finishing and Polishing Instruments



Finishing Set

1 cutting bur, 1 HM carbide cutter,
1 HM Tricutter fine, 1 finishing bur,
1 BIOPERM trimmer, 1 Polyfix,
1 OSAMU polisher, 1 DIMO® PRO SLIM,
1 pulp stone (no image available).

1 set

3378



Cutting Bur (white)

Spiral cutting bur for quick, neat cutting of all hard pressure moulding materials.

6 pcs.

3214

HM-Carbide Cutter (yellow)

Triangular cutting bur made of carbide, same application as above.

6 pcs.

3369

HM-Tricutter fine (green)

Fine triangular cutting bur for interdental finishing of splints.

6 pcs.

3370

Finishing Bur (red)

Square cutting bur made of special soft alloy that will not damage clasps and wire.

6 pcs.

3377



BIOPERM-Trimmer (blue)

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

2 pcs.

3226

POLYFIX (black)

Same application as above.

1 pc.
on mandrel
6 pcs.

3371

3372

OSAMU-Polisher (grey)

Final polishing of OSAMU retainers as well as soft-elastic foils and compound material.

2 pcs.

3247



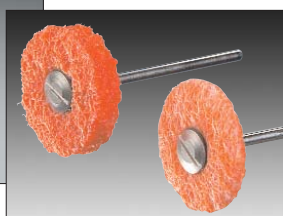
DIMO® PRO DIMO® PRO SLIM

Wheel 24 x 6 mm
Wheel 24 x 4 mm, bezzelled.

10/50 pcs.
10/50 pcs.

3381

3376



Trimming wheel made of a latex filled abrasive with extreme long working time. Depending on the rpm, it can be used for final trimming or polishing mouthguards, ortho plates and elastomers. Ensures highly polished rims and homogeneous surface of hard/soft plates, incl. 1 mandrel.



DIMO®

Stable and flexible trimming wheel with extended working time in three different grains for trimming and prepolishing of sandwich foils, mouth guards, ortho plates and elastomers, incl. 1 mandrel.

10/50 pcs.
brown, coarse
green, medium
maroon, fine

3382

3383

3384

DIMO® Mandrel

10 pcs.

3380



**Pain-free thanks to
Efficient Treatment**



CMD-Therapy

The correct treatment of cranio-mandibular disorder (CMD) is the key to sustainable success in this field of therapy.

Become an expert in CMD and learn to identify your patients' complex problems analysing numerous symptoms. SCHEU ACADEMY offers you specialised training seminars on CMD therapy. The development of the new CMD device acc. to Dr. Köneke is based on years of experience of Dr. Christian Köneke, an expert in CMD therapy.

Our products and our know-how offer you the key to successful analysis and treatment of cranio-mandibular disorders.



BRUX CHECKER® · CMS-TUTOR



BRUX CHECKER® acc. to Prof. Sato

○ 0.1 x 125 mm
10 pcs.

3209



One sided colour coated analysis and diagnostic foil for TMJ therapy and prosthodontics.



CMS-TUTOR

3260

This board utilizes magnetic inserts to demonstrate normal TMJ function and anterior and posterior slide dysfunction as well as splint therapy.

The ideal support for patient information and consultation.

Anti-snoring therapy accessories for TMJ demonstrator
Additional inserts for the easy demonstration of mandibular protrusion splints in the anti-snoring therapy for the different versions, OPM-Kit, IST® appliances (HF9, HF15) and IST®-CLASSIC.

3264

1 Kit: upper jaw insert, lower jaw insert, bar.

Hint:

Red inserts are special accessories and are not included in the TMJ demonstrator.

CMD-Device



CMD-Device to Dr. Köneke

Trendsetting patented system for the fabrication of a bimaxillary occlusion splint acc. to Dr. Christian Köneke in the therapy of CMD. Fabricated in the pressure moulding technique. The connection between upper and lower jaw is made with 2 continuously adjustable telescopes, which can be fixed easily in any position in the mouth. The kit comes along with CMD telescopes, white protection caps and elastics, foils, fixing elements with 0-ring, acrylic, red activation key, retainer box for patients, 2 bags of 15 g CETRON® cleansing powder and instructions.

1 Kit 6010

CMD-TELESCOPES acc. to Dr. Köneke

1 pair 6011

CMD Positioning Support for exact insertion of CMD TELESCOPES

1 pc. 5496



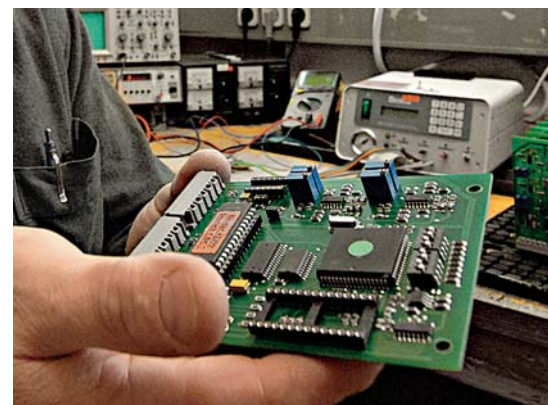
**Reliability and
functionality**



Equipment

We don't just meet standards, we set them.

From the O-ring to the microprocessor control – our equipment manufacturing specialists know their stuff. All parts are manufactured with maximum precision and attention to detail.



Split Fixator · Hinge Fixator · Model Holder · SC system



Split Fixator

Stable occlusal holder with sliding arms. By unscrewing the centering tips, the models can be removed without any damage and reinserted at any time in exactly the same position.

The precise dovetailed guidance avoids twisting of the fixator arms.

5380



Hinge Fixator

Because of the built-in hinge in the upper part of the fixator, grinding-in of functional orthodontic appliances as well as fabrication of bimaxillary functional orthodontic appliances become easier. The models can be taken off the fixator arms and set back exactly by mounting splints which can be attached on the fixator arms.

5374



Mounting Splints

For Hinge Fixator.

10/100 pcs.

5375



Model Holder

With flexible clamps and movable joint, keeps small and large models fixed in any desired position.

5270



SC-system

A pin system for insertion into a finished model.

Shaft-Ø
bur 2,35 mm
bur 3,20 mm

5385



500/1000/2000 pcs. sleeve
pin
nut

5382

5383

5384

IP 120 · Solder-Pro · CMS-TUTOR



IP-120 Spot Welder

Efficient, easy to operate welder for all types of metals and alloys. This proven principle of arc welding, introduced to dentistry for the first time, assures that the contact points will melt without any adverse thermal effect to the surrounding area.

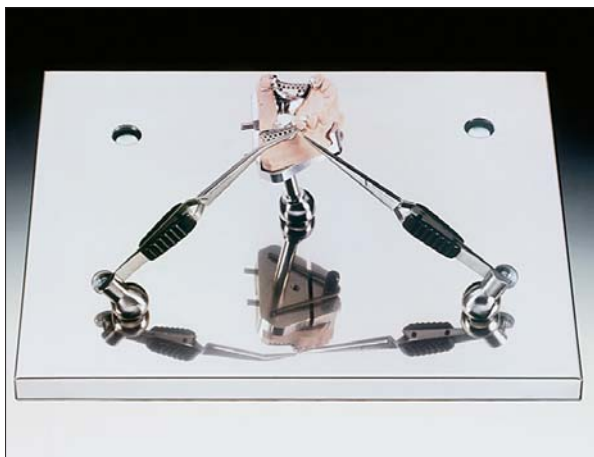
Delivery program: IP-120 welder includes foot pedal, safety glasses, 3 pair crocodile clips and 1 double plug.

Power: 230 V, 12 VA

Measurements: 250 x 150 x 80 mm (l x w x h)

Weight: 2.4 kg

6128



Solder-Pro

Large (300 x 350 mm) solder and welding working table made of stainless steel. Magnetic holding balls enable the exact and stable position of the parts to be connected.

Standard equipment, incl. 2 tweezers and model holder.

6426



CMS-TUTOR

This board utilizes magnetic inserts to demonstrate normal TMJ function and anterior and posterior slide dysfunction as well as splint therapy.

The ideal support for patient information and consultation.

Anti-snoring therapy accessories for TMJ demonstrator

Additional inserts for the easy demonstration of mandibular protrusion splints in the anti-snoring therapy for the different versions, OPM-Kit, IST® appliances (HF9, HF15) and IST®-CLASSIC.

1 Kit: upper jaw insert, lower jaw insert, bar.

Hint:

Red inserts are special accessories and are not included in the TMJ demonstrator.

3260

3264

BIOSTAR® · MINISTAR S® · Equipment



BIOSTAR®

Versatile pressure moulding machine for all prosthodontic and orthodontic applications with **Scan technology** and 6.0 bar working pressure. The unique thermally controlled infrared heater reaches working temperature in one second. All important data are printed on each single foil and are read by the BIOSTAR Scanner and shown on the large display. The large model cup facilitates embedding of mounted models. The pellet container ensures optimal dispensing and storing of the pellets.

230V 3000
115V 3010
100V 3020

AC: 230 V / 115 V / 100 V, 850 VA
Pressure: 0.5 – 6.0 bar
Measurements: 450 x 230 x 260 mm (l x w x h)
Weight: 14 kg
Waranty: 3 years

BIOSTAR® protection cap

transparent plastic material, avoids soiling

3449



MINISTAR S®

The new generation of the successful handy pressure moulding machine now equipped with Scan technology and 4 bar working pressure. The coded pressure moulding plate is read by the scanner, allowing programming of all important data such as heating time, temperature and cooling time. In other words: Precise pressure moulding results in record time thanks to the extremely fast, patented heater and the high working pressure.

230 V 3500
115 V 3510
100 V 3520

Power: 230 V / 115 V, / 100 V, 850 VA
Working Pressure: 0.5 – 4.0 bar
Dimensions: 420 x 350 x 190 mm (l x w x h)
Weight: 9 kg
Waranty: 3 years

MINISTAR S® protection cap

transparent plastic material, avoids soiling

3447

Heating-

f. BIOSTAR® and MINISTAR S®

3452

Support

Measurements: 190 x 160 x 70 mm (l x w x h)

Is being attached on the heater for fabrication of positioners and mouthguard, guaranteeing the optimum distance between model and heater when heating the occlusal areas.



BIOSTAR® / MINISTAR® Drying Oven

230 V 3129
115 V 3133

Oven for pre-drying and storing high quality pressure moulding materials such as DURASOFT® and IMPRELON® S. Its good insulation saves energy.

AC: 230 V, 115 V, 60 W
Measurements: 240 x 110 x 200 mm (l x w x h)
Weight: 3,5 kg
Waranty: 3 years

TWINSTAR® P · TWINSTAR® V · Equipment



TWINSTAR® P

Pressure moulding machine for basic dental applications in the thermo moulding technique, such as temporaries, splints, mouthguards, bite registrations and individual trays. Medium wave, time-controlled infrared heater, programmed cooling phase, 2 bar working pressure, range of plates / foils of 0,1 – 3,0 mm, heating of the material side which is placed directly over the model, large model cup and ergonomic pellet container. Simple and functional "one-switch-operation".

AC: 230 V / 115 V, 100 V, 340 W

Pressure: 0,1 – 2,0 bar

Measurements: 220 x 200 x 350 mm (l x w x h)

Weight: 7,5 kg

Waranty: 3 years

230 V 3140
115 V 3141
100 V 3138



TWINSTAR® V

Vacuum machine for basic dental applications in the thermo moulding technique such as temporaries, splints, mouthguards, bite registrations and individual trays. Medium-wave, time-controlled infrared heater, programmed cooling phase, range of plates / foils of 0,1-3,0 mm, heating of the material side which is placed directly over the model, large model cup and ergonomic pellet container. Simple and functional "one-switch" operation.

AC: 230 V / 115 V, 100 V, 340 W

Vacuum: 0,8 bar

Measurements: 220 x 200 x 350 mm (l x w x h)

Weight: 7,5 kg

Waranty: 3 years

230 V 3142
115 V 3143
100 V 3139



Sampler of Pressure Moulding Plates

Sampler of all available pressure moulding plates and foils indicating the various thicknesses, diameters and colors. Helpful information is provided on working procedures as well as chemical and physical parameters.

1 pc. 3137

Material list of alloys used by SCHEU-DENTAL

Analysis in Weight-%

| Material | | | | | | | | | | | | |
|-------------------|--------------|-----------|-------|-----------|-----------|---------|-----------|---------|-----------|-----------------------|------|-------------------------------|
| Name (Trade Mark) | Number (DIN) | C | Si | Mn | Cr | Mo | Ni | P | S | Others | Fe | Product Name Product Group |
| stainless steel | 1.4021 | ≤ 0,25 | ≤ 1,0 | ≤ 1,0 | 12,0-14,0 | - | - | ≤ 0,045 | ≤ 0,03 | - | - | CARAT® |
| stainless steel | 1.4034 | ≤ 0,5 | ≤ 1,0 | ≤ 1,0 | 12,5-14,5 | - | - | ≤ 0,045 | ≤ 0,03 | - | - | CARAT® |
| stainless steel | 1.4116 | 0,45-0,55 | - | - | 14,0-15,0 | 0,5-0,8 | - | - | - | V 0,1-0,2 | - | CA-pliers |
| stainless steel | 1.4301 | ≤ 0,07 | ≤ 1,0 | ≤ 2,0 | 17,0-19,0 | - | 8,5-10,5 | ≤ 0,045 | ≤ 0,03 | - | Rest | SCHEU-anchor, Clasps/Bars |
| stainless steel | 1.4303 | ≤ 0,07 | ≤ 1,0 | ≤ 2,0 | 17,0-19,0 | - | 11,0-13,0 | ≤ 0,045 | ≤ 0,03 | - | Rest | Profi-Bar |
| stainless steel | 1.4305 | ≤ 0,12 | ≤ 1,0 | ≤ 2,0 | 17,0-19,0 | - | 8,0-10,0 | ≤ 0,06 | 0,15-0,35 | - | Rest | Adamik-ancor |
| stainless steel | 1.4310 | ≤ 0,12 | ≤ 1,5 | ≤ 2,0 | 16,0-18,0 | ≤ 0,8 | 6,0-9,0 | ≤ 0,045 | ≤ 0,03 | - | Rest | CHROMIUM/ Preformed Wires |
| stainless steel | 1.4456 | ≤ 0,1 | ≤ 1,0 | 16,0-20,0 | 16,0-20,0 | 1,8-2,5 | ≤ 0,2 | ≤ 0,005 | ≤ 0,05 | V ≤ 0,2, N 0,7-1,0 | Rest | MENZANIUM® |

| Material | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----------|-------|------|-------|-----------|-------|------|-----|------|----------|-----|-------|----------|---------|-----------|----|--------|-------------------------------|--|--|
| Name (Trade Mark) | Nr. (DIN) | Ni | Fe | Mn | Cr | Mo | Ti | Si | C | Al | O | H | N | V | Cu | Nb | Others | Product Name Product Group | | |
| Titan Grade 5 | 3.7164 | - | 0,25 | - | - | - | Rest | - | 0,08 | 5,5-6,75 | 0,2 | 0,015 | 0,05 | 3,5-4,5 | - | - | - | TAP®- T OK | | |
| CATAMOLD® P.A.N.A.C.E.A. | - | ≤ 0,1 | Rest | 10-12 | 16,5-17,5 | 3-3,5 | - | ≤ 1 | 0,2 | - | - | - | 0,75-0,9 | - | - | - | - | TAP®- T UK | | |
| CATAMOLD® 17-4 PH | - | 3,5 | Rest | ≤ 0,1 | 15-17,5 | - | - | ≤ 1 | - | - | - | - | - | 3-5 | 0,15-0,45 | - | - | | | |

Measuring

| mm | Inch | mm | Inch |
|--------------------|-------|-------------------|--------|
| 0.10 | 0.004 | 1.00 | 0.0394 |
| 0.15 | 0.006 | 1.15 | 0.045 |
| 0.40 | 0.016 | 1.30 | 0.051 |
| 0.50 | 0.020 | 1.50 | 0.059 |
| 0.60 | 0.024 | 2.00 | 0.079 |
| 0.625 | 0.025 | 3.00 | 0.118 |
| 0.75 | 0.030 | 4.00 | 0.157 |
| 0.80 | 0.031 | 5.00 | 0.197 |
| 1 mm = 0.0394 Inch | | 25,40 mm = 1 Inch | |

| Material | Material name | ASTM / AISI | UNS |
|----------|------------------|-------------|--------|
| 1.4021 | X20Cr13 | 420 | S42000 |
| 1.4034 | X46Cr13 | 420C | |
| 1.4116 | X50CrMoV 15 | | |
| 1.4301 | X5CrNi18-10 | 304 | S30400 |
| 1.4303 | X4CrNi18-12 | 305 | S30500 |
| 1.4305 | X8CrNiS18-9 | 303 | S30300 |
| 1.4310 | X10CrNi18-8 | 301 | S30100 |
| 1.4456 | X8CrMnMoN18-18-2 | | |

| °C | °F | °C | °F |
|-----|-------|-----|-------|
| 10 | + 32 | 200 | + 392 |
| 50 | + 22 | 210 | + 410 |
| 100 | + 212 | 220 | + 428 |
| 150 | + 302 | 250 | + 482 |
| 180 | + 356 | 280 | + 536 |
| 190 | + 374 | 300 | + 572 |

| | | | | | | |
|-------|---|---------|---|-------------------------|---|---------------|
| 1 bar | ≈ | 1,02 at | ≈ | 0,1 N / mm ² | ≈ | 14,504 p.s.i. |
| 2 bar | ≈ | 2,04 at | ≈ | 0,2 N / mm ² | ≈ | 29,008 p.s.i. |
| 3 bar | ≈ | 3,06 at | ≈ | 0,3 N / mm ² | ≈ | 43,511 p.s.i. |
| 4 bar | ≈ | 4,08 at | ≈ | 0,4 N / mm ² | ≈ | 58,015 p.s.i. |
| 5 bar | ≈ | 5,10 at | ≈ | 0,5 N / mm ² | ≈ | 72,519 p.s.i. |
| 6 bar | ≈ | 6,12 at | ≈ | 0,6 N / mm ² | ≈ | 87,023 p.s.i. |

Indication Chart on Applications in the Pressure Moulding Technique

| Indication | Product | Recommended thickness | Material qualities | Bonds to acrylics | Recommended acrylic | Recommended insulation |
|---|------------------------------------|--|-----------------------------|-------------------|----------------------------|---|
| Etching mask | COPYPLAST® | 1,0 mm | viscoplastic | no | | Soak model short into water |
| Occlusal splint/TMJ splint/BruXism splint/Miniplast splint | DURAN®, DURAN® + | 1,5 mm | hard elastic | yes | DURASPLINT® | ISOFOLAN® -foil |
| | IMPRELON®, S" | | unbreakable | yes | DURASPLINT® | ISOFOLAN®-foil |
| | DURASOFT® / -pd | | hard/soft plate | yes | DURASPLINT® | ISOFOLAN® -Foil |
| Bite taking/Bite registration | IMPRELON® white | 2,0 mm / 3,0 mm | hard, not elastic | yes | DURASPLINT® | ISOFOLAN® -Foil |
| Bleaching splint | BIOPLAST® bleach COPYPLAST® | 1,0 mm soft elastic 1,0 mm viscoplastic | soft elastic | no | | BIOPLAST®-insulating agent Soak model short into water |
| Bracket transfer mask | COPYPLAST® | 0,5 mm | viscoplastic | no | | Soak model short into water |
| Model duplication | BIOPLAST® (Plaster) | 2,0 mm | soft elastic | no | | BIOPLAST®-insulating agent |
| | COPYPLAST® (Resin) | 2,0 mm | viscoplastic | no | | Soak model short into water |
| Mould for temporary crowns and bridges | COPYPLAST® | 0,5 mm / 1,0 mm | viscoplastic | no | | Soak model short into water |
| Copings | HARDCAST® | 0,4 mm / 0,6 mm / 0,8 mm | | no | | Space maintainer foil |
| | COPYPLAST® | 0,5 mm / 0,6 mm | viscoplastic | no | | Soak model short into water |
| Template for implants/Drilling/X-ray | DURAN®, DURAN® + IMPRELON®, S" | 2,0 mm / 3,0 mm 2,0 mm / 3,0 mm | hard elastic unbreakable | yes yes | DURASPLINT® DURASPLINT® | ISOFOLAN®-Foil ISOFOLAN®-Foil |
| Immediate dentures/temporary dentures | BIOCRYL®, C", rose | 2,0 mm | impact-resistant | yes | BIOCRYL®-RESIN® | ISOFOLAN® -Foil |
| Individual trays, impression, functional tray | IMPRELON®, clear | 2,0 mm / 3,0 mm | hard, not elastic | yes | DURASPLINT® | ISOFOLAN® -Foil |
| | IMPRELON®, nature | 3,0 mm | hard, not elastic | yes | DURASPLINT® | ISOFOLAN® -Foil |
| Fluoride splint | DURAN®, DURAN® + | | hard-elastic | yes | DURASPLINT® | ISOFOLAN® -Foil |
| Invisible Retainer /Functional orthodontic splint | IMPRELON®, S" | 0,5 mm / 0,75 mm / 1,0 mm | unbreakable | yes | DURASPLINT® | ISOFOLAN®-Foil |
| | DURAN®, DURAN® + | 0,75 mm / 1,0 mm | hard-elastic | yes | DURASPLINT® | ISOFOLAN®-Foil |
| Insulation foil | COPYPLAST®, C" | 1,0 mm | viscoplastic | no | | Soak model short into water |
| Orthodontic plate/Retainer | ISOFOLAN® BIOCRYL®, C" | 0,1 mm 1,5 mm - 3,0 mm | impact-resistant | yes | BIOCRYL®-RESIN® | ISOFOLAN® -Foil |
| Jaw fracture splint | BIOCRYL®, M" | 2,0 mm | hard-elastic | yes | BIOCRYL®-RESIN® | ISOFOLAN® -Foil |
| | BIOCRYL®, C" | 2,0 mm | impact-resistant | yes | BIOCRYL®-RESIN® | ISOFOLAN® -Foil |
| | IMPRELON®, S" | 2,0 mm | unbreakable | yes | DURASPLINT® | ISOFOLAN®-Foil |
| Chin cap | IMPRELON®, white with BIOPLAST® | 2,0 mm | hard, not elastic | yes | DURASPLINT® | ISOFOLAN®-Foil |
| BruXism splint (refer to "occlusal splint") | | | | | | |
| Model protection/protective coating/Skin-Packaging | Coating foil | 0,15 mm | | | | |
| Space maintainer foil | ISOFOLAN® | 0,1 mm | | | | |
| | Space maintainer foil | 0,1 mm | | | | |
| Space maintainer for bleaching splints | HARDCAST® | | | no | | |
| Positioner | BIOPLAST® | 1,0 mm - 5,0 mm | soft elastic | no | | BIOPLAST®-insulating agent |
| Denture base | BIOCRYL®, C", rose | 2,0 mm | impact-resistant | yes | BIOCRYL®-RESIN® | ISOFOLAN® -Foil |
| Retention splint/Long-term retainer | IMPRELON®, S" | 3,0 mm | unbreakable | yes | DURASPLINT® | ISOFOLAN® -Foil |
| | COPYPLAST®, C" | | viscoplastic | no | | Soak model short into water |
| | DURAN®, DURAN® + | | hard-elastic | yes | DURASPLINT® | ISOFOLAN® -Foil |
| Temporary splint/Strip crown for temporary crowns and bridges | DURAN® | 0,5 mm / 1,0 mm | hard-elastic | yes | DURASPLINT® | ISOFOLAN® -Foil |
| Anti-snoring splint | DURAN®, DURAN® + | 2,0 mm | hard-elastic | yes | DURASPLINT® | ISOFOLAN® -Folie |
| | DURASOFT® / -pd | 1,8 mm / 2,5 mm | hard/soft plate | yes | DURASPLINT® | ISOFOLAN® -Folie |
| Sports protection | BIOPLAST® | 1,0 mm - 5,0 mm | soft elastic | no | | BIOPLAST®-insulating agent |
| | BIOPLAST® XTREME | 4,0 mm / 5,0 mm | soft elastic | no | | BIOPLAST®-insulating agent |
| Therapy planning foil/BruXism analysis | BRUX CHECKER® | 0,1 mm | | | | |
| Medical tray | DURAN®, DURAN® + | 1,0 mm | hard-elastic | yes | DURASPLINT® | ISOFOLAN® -Foil |
| | IMPRELON®, clear or nature | | hard, not elastic | yes | DURASPLINT® | ISOFOLAN® -Foil |

Notes

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Motorway A45, at Hagener Kreuz

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Please turn left after 200 m

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Please turn right at the traffic light

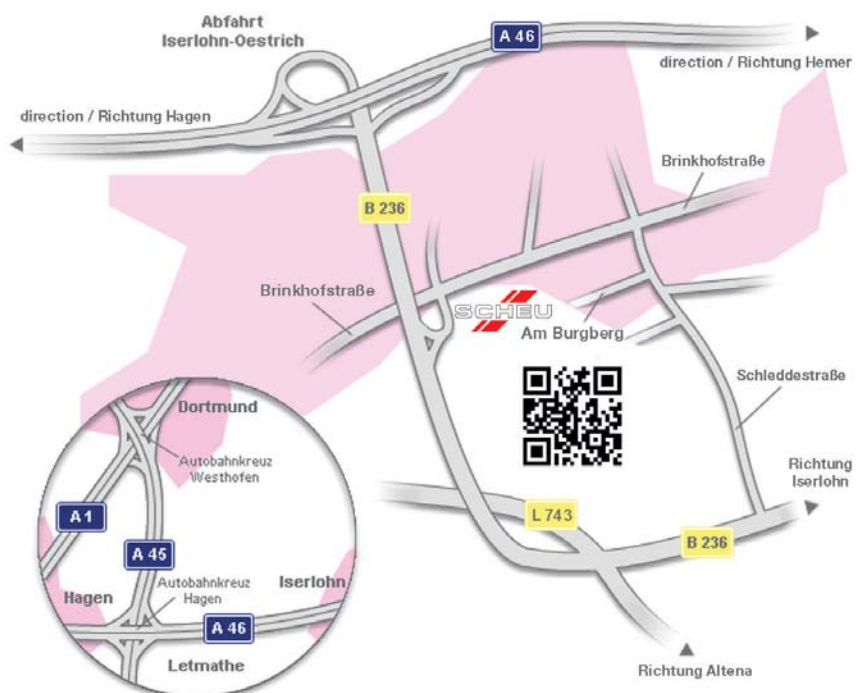
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