

12121





HELMUT

MEDIZINTECHN

ZEPF IK GMBH

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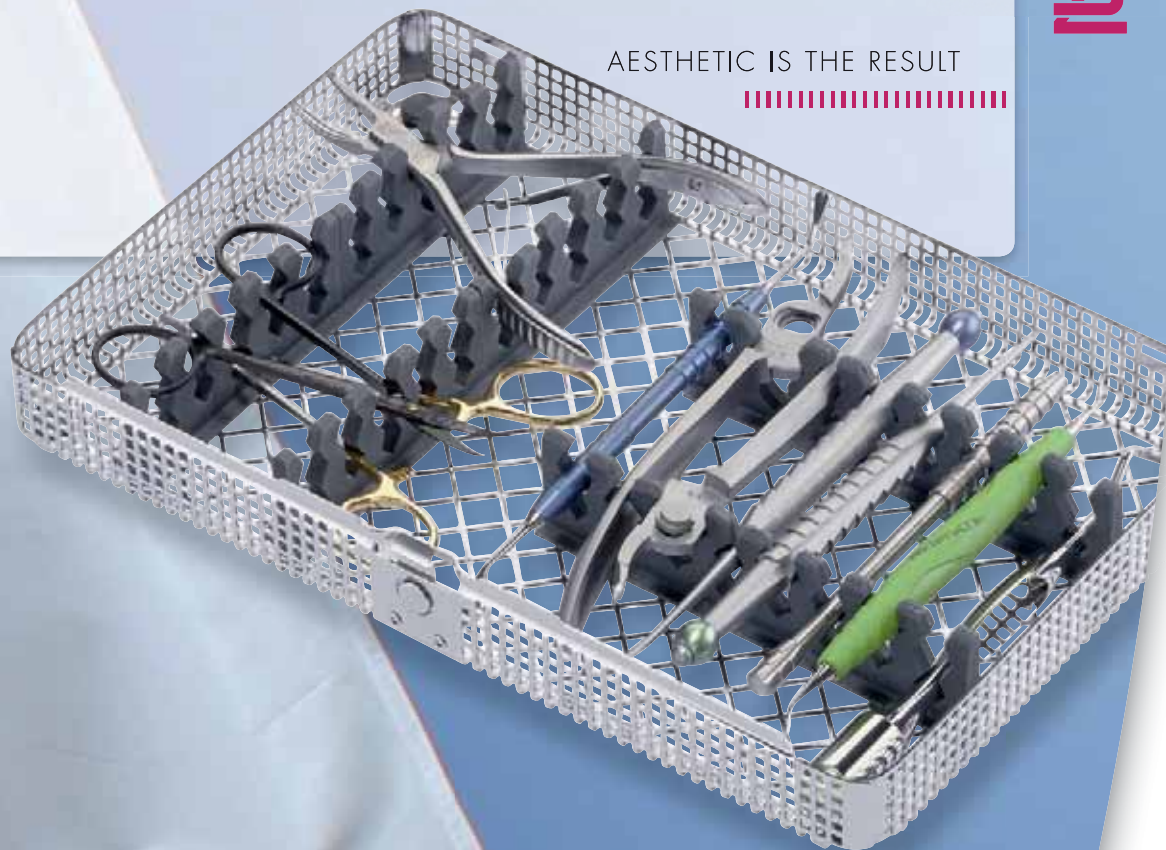
Professor Ferdinand Sauerbruch became famous for a special surgical technique that he had developed. As a surgeon, he had rather clear-cut ideas regarding the characteristics and quality of the surgical instruments he used. It was no simple matter to meet his invariably ultrastringent demands.

The well-known surgeon turned to Zepf, an instrument maker in Seitingen that back then was still a rather young company, to make the surgical instruments he wanted, as well as special prototype arm and leg prostheses.

Isidor Zepf, who had founded the company in 1921, and his wife Rosa, who was surely one of the first female surgical instrument makers, were able to make the Berlin professor's products the way he wanted. Their back in those days somewhat unusual collaboration formed the cornerstone for Zepf's successful development effort and demonstrated what is even today Zepf's hallmark: rapidly implementing innovations in the field of medical instruments, working in collaboration with well-known physicians and developing these innovations into exemplary solutions.

The company developed manufacturing methods that would allow both manufacturing larger numbers of units and employing better quality materials. In the 1930's, Zepf increasingly specialized in manufacturing dental instruments, thereby forming the basis for the present company.

AESTHETIC IS THE RESULT



MADE  IN GERMANY



The company which is now in its third generation of being managed by a member of the Zepf family has been managed by Helmut Zepf Jr. since 1983. Under his guidance, the old-line company that his grandfather and his father built up has been developed into a company that is able to maintain its position in the face of competition in the global marketplace, and thus has had to define its priorities in a highly efficient manner. Among those priorities is the strict adherence to the basic principles underlying Zepf's traditional quality standards and a large measure of willingness to innovate. Patrick Zepf has already committed himself to continue the family enterprise in the fourth generation, bearing those targets in mind.

Yet another factor promoting its competitiveness is its loyalty to its home base in Seitingen-Oberflacht. In 2007, a new production plant was completed, having a space of 3500 m² in which the **HELMUT ZEPF** Instruments 'MADE IN GERMANY' are originated.

The people at **HELMUT ZEPF** still have a high regard for their exchanges of experience with physicians.

Zepf had recognized that knowledge of the latest surgical techniques in cosmetic dentistry were as essential to their development of new product lines as the demands that individual ergonomic criteria impose on individual instruments.

Design must primarily follow function. Practicing physicians recognize that our instruments have been optimally designed in both form and function, and that is what distinguishes them from the rest.

After all, that approach is what has made each and every physician in contact with **HELMUT ZEPF** so successful in the permanent development of instrumentation.

A very successful cooperation. Worldwide.

We are thanking you for this.



BIONIK^{ZEPF}



The new **HELMUT ZEPF BIONIK** Handle corresponds with the demand of an anatomically adjusted handle for prophylaxis. The perfect shape regarding power transmission and sensitivity enables a tactile scaling and cleaning.

The adaptation of the practice-oriented requirements regarding communication, hygienics and flexibility make the **HELMUT ZEPF BIONIK** Handle the perfect instrument holder not only for dental diagnosis and prophylaxis, but also for surgery, implantology and microsurgery.













reddot design award
winner 2010

Handle colors

HELMUT ZEPF

BIONIK Universal

Handles:

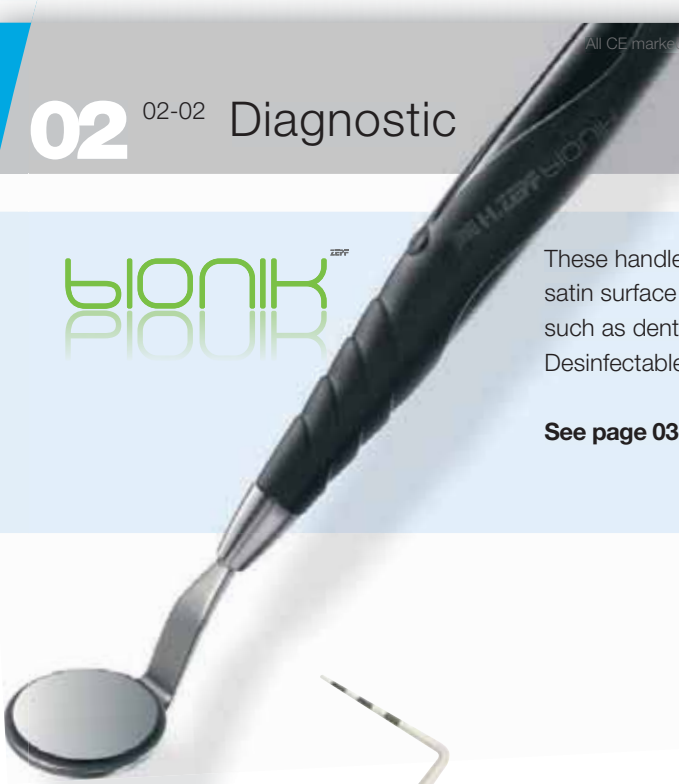
-  26.193.01
-  26.193.02
-  26.193.03
-  26.193.04
-  26.193.05
-  26.193.06
-  26.193.07
-  26.193.08
-  26.193.09
-  26.193.10





These handles are light, manufactured from top-quality plastic with a satin surface finish, available in ten colors. Suited for all threaded tips, such as dental probes, PA-probes, brush holders, mirrors, etc. Desinfectable and sterilizable by using any standard procedure.

See page 03-02 and 03-03 for all **BIONIK** Handles available!



Handle colors of **HELMUT ZEPF** **BIONIK** Universal Handles:



See page **03-02** and **03-03** for the article numbers of all **BIONIK** Handles available.



26.193.10 **BIONIK** Handle, **QUICKFIX**, double-ended



26.193.20 **BIONIK** Handle, **QUICKFIX**, single-ended with end cap



26.194.20 **BIONIK** Handle, double-ended with 2 reduction inserts (M4 x 0.5 to M2.5)



26.194.10 **BIONIK** Handle, single-ended with end cap and reduction insert (M4 x 0.5 to M2.5)



Mirror Handle, solid, stainless steel

24.080.01



Mirror Handle, ergonomically designed, hollow, stainless steel

24.089.02



Mirror Handle, hollow, stainless steel

24.086.01



Handle, single-ended, **ZEPF**-Design for probes and mirrors, Ø 2.5 mm

26.180.06



Mirror Handle, double-ended, titanium

26.181.04



Mirror Handle, single-ended, titanium

24.087.00



All-Purpose Handles, plastic
3 other colors available:

26.191.01

26.191.02

26.191.03

26.191.04



Mouth Mirrors

Due to the standardized thread dimensions, all mirrors available from **HELMUT ZEPF** are compatible with any handle supplied by **HELMUT ZEPF** and can of course be desinfected and sterilized by all usual methods. For fitting handles, please refer to pages **02-03**, **02-05** and for the fitting **ZEPF BIONIK** Handle, please refer to page **03-03**.



Lipcare Mouth Mirror acc. to Dr. Preusse

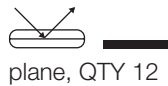
The Lipcare Mouth Mirror / Retractor Combination is distinguished by the following features:

- optimal ergonomic working for the user
- patient-friendly, atraumatic, extensive retraction of the cheek
- Titanium Mirror, Ø 24 mm, for best visibility
- possibility of preparation with all usual cleaning methods
- sterilizable up to 273° F / 134° C



24.062.24 QTY 5

24.062.24. QTY 1



plane, QTY 12

24.061.22 Ø 22 mm

24.061.24 Ø 24 mm



magnifying, QTY 1

24.075.22 Ø 22 mm

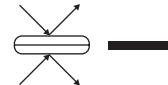
24.075.24 Ø 24 mm



titanium-plated, QTY 12

24.067.22 Ø 22 mm

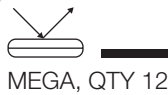
24.067.24 Ø 24 mm



titanium-plated on both sides, QTY 12

24.070.22 Ø 22 mm

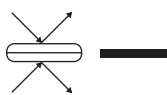
24.070.24 Ø 24 mm



MEGA, QTY 12

24.071.22 Ø 22 mm

24.071.24 Ø 24 mm



MEGAduo, QTY 6

24.072.22 Ø 22 mm



Back Surface





These mirrors have their reflective coatings on their rear surfaces.



Front Surface

These mirrors have their reflective coating on their front surface, yielding undistorted imaging with no disturbing double images.

Handle colors of the **HELMUT ZEPF**
All-purpose Handles:

-  **26.191.01**  **26.191.03**
-  **26.191.02**  **26.191.04**

Light, manufactured from top-quality plastic with a satin surface finish, ergonomically designed, flexible, suitable for ultrasonic cleaning, sterilizable, and compatible with any standard insert with an M2.5 metric thread.



37.445.01 QTY 1

Retractor acc. to Hilger

This retractor's ergonomically curved surface allows retracting cheeks and tongue under all kinds of working conditions and is also very comfortable for patients, thanks to its convex rear surface and rounded edges.

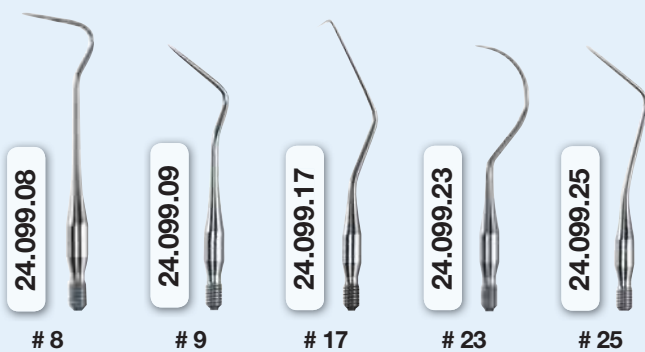


Interchangeable Probe Tips

Probe Tips, interchangeable. Compatible with any standard handle with an M2.5 metric thread.

The two **ZEPF** Safety Keys to exchange tool ends are illustrated on page **03-05**.

For fitting handles, please refer to pages **02-03**, **02-05** and for the **ZEPF BIONIK** Handle, please refer to page **03-03**.



ZEPF Retractor and Mouth Mirror
by Dentist Beck

The **ZEPF BIONIK** Retractor and Mouth Mirror is available in two sizes, featuring a heart-shaped, ergonomic and highly polished design.
The instrument is available in the sizes 24 and 27 mm.

It is universally applicable as:

- Mouth mirror, cheek or tongue retractor, mucoperiosteal flap retractor.
- Its innovative heart shape allows ergonomic adaption in all quadrants.
- Due to its reflective surface, the retractor allows an optimal illumination of the surgical site.
- The large contact surfaces make the retractor very patient-friendly.



37.448.10



37.448.20



24.062.30

ZEPF BIONIK Retractor and Mouth Mirror, size 1, 24 mm,
ZEPF BIONIK Universal Handle, PEEK, single-ended, signal orange

24.062.31

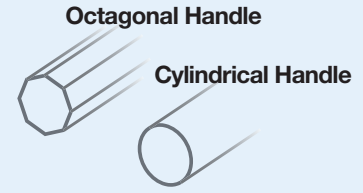
ZEPF BIONIK Retractor and Mouth Mirror, size 2, 27 mm,
ZEPF BIONIK Universal Handle, PEEK, single-ended, signal purple



ZEPF Medical Probes

Those **HELMUT ZEPF** Probes shown in figures **8, 9, 17** and **23** are available in octagonal and cylindrical versions, both of which are pleasantly lightweight. Our ergonomically designed octagonal handles are comfortable to hold, and provide precision fingertip control.

Their thin, unbreakable, yet flexible tips manufactured from special alloy steel have an extremely long duration of life.



ZEPF Dental Tweezers

All **HELMUT ZEPF** Dental Tweezers have guide pins that prevent their tips from crossing.

The broader version and their somewhat shorter tips allow exerting pressures in excess of those of common tweezers.



22.014.03

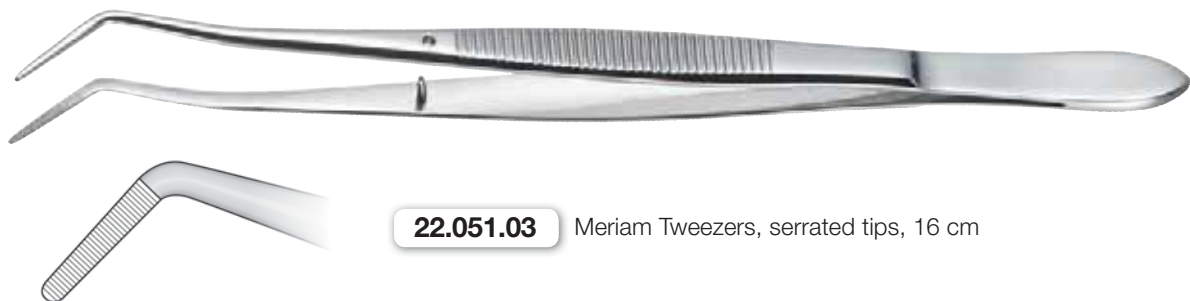


London College Tweezers, diamond-tipped, 15 cm



22.011.03

London-College Tweezers, serrated long tips, 15 cm



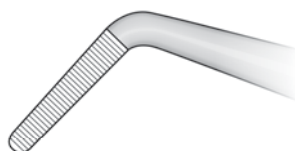
22.051.03

Meriam Tweezers, serrated tips, 16 cm

ZEPF Ergonomic Dental Tweezers

Our extra comfortable **HELMUT ZEPF** Ergonomic Dental Tweezers are pleasant to hold and have been specially designed for use in lengthy, otherwise tiring, applications.

The broader version and their somewhat shorter tips allow exerting pressures in excess of those of common tweezers.



22.025.03

grooved tips, 15 cm



22.025.03D



diamond-tipped, 15 cm



22.024.03

London College Tweezers modif., 15 cm, approx. 30°



22.024.04

London College Cotton & Dressing Pliers, modif., 15 cm, approx. 20°

02 ⁰²⁻¹⁰ Diagnostic

+49 (0) 74 64 / 98 88 0



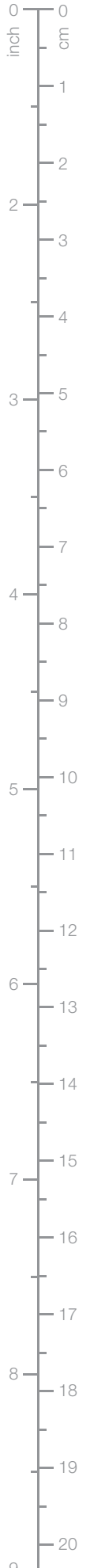
zepi-dental.com



MADE IN GERMANY

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

Scale



bionik ^{ZEPF}
PIOUK
ZEPF Periodontal Probes

The perio-diagnostics should be done regularly to have a permanent record to make sure that gingival and especially periodontal inflammations are diagnosed early.

The benefit for the patient is that either the periodontal health can be confirmed or infection is detected early. Like that suitable dental actions can take place to cure the infection or to stop the progression.

With the new Contrast PA Probe Inserts an even easier visualisation is guaranteed during the examination.

The band (3 mm) of the probe stays visible at the deepest point of the sulcus of all sextants teeth. Calculus or defective restoration margins cannot be detected, the tissue of the gingival is healthy, no bleeding after (careful) probing = no treatment necessary, further preventive care. Deeper measurements (> 3 mm) indicate a gingivitis. According to the depth further evaluation and documentation must take place according to the rules of the PSI.

See page **03-06** for article numbers of the different **ZEPF** Contrast Probes.



reddot design award
winner 2010



BIONIK

ZEPF



reddot design award
winner 2010

BIONIK Universal Handle Universal Handle made of PEEK high-tech plastic material – guarantees an ideal power transmission with formerly unknown sensitivity. The handle is available in 10 different, fresh basic colors.



QUICKFIX











All **QUICKFIX Handles** have a metric thread M4 x 0.5 and are therefore compatible with the most common exchangeable inserts.













BIONIK ID Plug for an individual color coding of the handle series.
Material: PEEK high-tech plastic.

Optional, the handle is available with a different colored ID Plug.
When placing an order of **BIONIK** Handles please indicate the desired **ID-Plug** separately according to the listing below.

BIONIK Universal Handle
QUICKFIX, double-ended

-  26.193.01
-  26.193.02
-  26.193.03
-  26.193.04
-  26.193.05
-  26.193.06
-  26.193.07
-  26.193.08
-  26.193.09
-  26.193.10

-  26.195.01
-  26.195.02
-  26.195.03
-  26.195.04
-  26.195.05
-  26.195.06
-  26.195.07
-  26.195.08
-  26.195.09
-  26.195.10















BIONIK

Universal Handle

single-ended











QUICKFIX for all common curette and scaler tips including 1 end cap

-  26.193.11
-  26.193.12
-  26.193.13
-  26.193.14
-  26.193.15
-  26.193.16
-  26.193.17
-  26.193.18
-  26.193.19
-  26.193.20

BIONIK

Universal Handle

single-ended for exchangeable inserts M2.5, for all common probes and mouth mirrors including 1 end cap and 1 reduction insert

-  26.194.01
-  26.194.02
-  26.194.03
-  26.194.04
-  26.194.05
-  26.194.06
-  26.194.07
-  26.194.08
-  26.194.09
-  26.194.10



BIONIK











Reduction Insert

to reduce thread from M4 x 0.5 to M2.5, which enables the use of a double-ended handle for probes and mouth mirrors.

BIONIK

Universal Handle

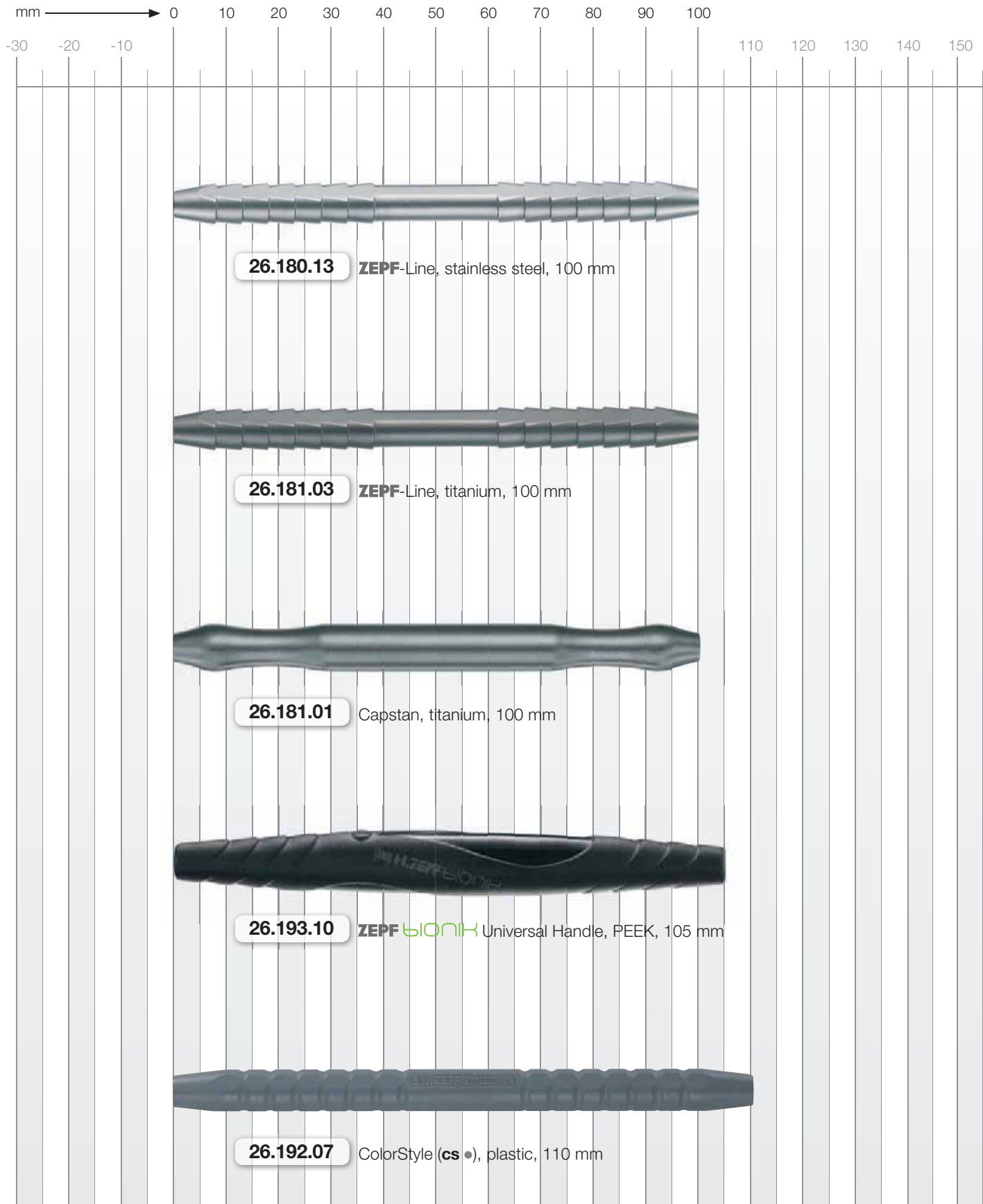
double-ended for exchangeable tips, M2.5, incl. 2 reduction inserts

-  26.194.11
-  26.194.12
-  26.194.13
-  26.194.14
-  26.194.15
-  26.194.16
-  26.194.17
-  26.194.18
-  26.194.19
-  26.194.20

BIONIK End Cap (Length 25 mm) for using the handles as single-ended handle variants.



Comparison of the handles with exchangeable working tips M4 x 0.5 mm



ZEPF Safety Keys with and without side wings

The Safety Key holds the tips firmly in place. The side wings (only **24.755.02**) protect from potential injuries due to the extremely sharp cutting edges of the tips.



24.755.03 Safety Key to exchange tool ends

24.755.02 Safety Key with wings to exchange tool ends

Exchanging of Inserts



Start by screwing the tip (sharp end) carefully by hand into the handle. Make sure that only the handle is turned. Not the tip.



Pull in the tip with the **ZEPF** Safety Key. With the other end, proceed as before. To set the tips, it is better to use two Safety Keys.



The Safety Key holds the tips firmly in place. The side wings protect from potential injuries due to the extremely sharp cutting edges of the tips.





Contrast PA Probe Inserts

The new **ZEPP** Contrast PA Probes are made of plastic material and dispose of a flexible working tip which adapts optimally to the anatomy of the pocket depth when measuring.

Colorstable, black markings on the white basic material guarantee a very good contrast for reading.

The sterilizable, exchangeable tips are available in different common graduations.

They are suited to determine the parodontal status and especially to be used on implants. Scratching of implant surfaces is avoided with these probes.

The tips are reusable until they bend, the color fades or the graduation is not readable any more.



24.451.00 # 1

graduation 3/6 /8/11 mm
M4 x 0.5 mm, QTY 12 pieces



24.451.01 # CPG 12

graduation 3/6 /9/12 mm
M4 x 0.5 mm, QTY 12 pieces



24.451.02 # CPNG 22

graduation 2/4 /6/8/10/12 mm
M4 x 0.5 mm, QTY 12 pieces



24.451.03 # PCPG 11.5

graduation 3.5/5.5 /8.5/11.5 mm
M4 x 0.5 mm, QTY 12 pieces

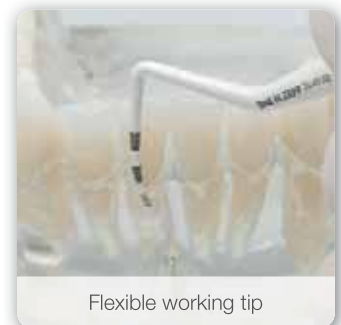


24.451.06 # CNC

graduation 1 - 15 in mm steps,
North Carolina
M4 x 0.5 mm, QTY 12 pieces



Assembly without a tool



Flexible working tip



Packing Example



24.451.02 # CPNG 22

Periodontal Probe exchangeable
graduation 2/4/6/8/10/12 mm
M4 x 0.5 mm, QTY 12 pieces

26.193.15 BIONIK Universal Handle single-ended

QUICKFIX, lightred-magenta, incl. 1 end cap
The handle is available in 10 different colors.
See page **03-02** and **03-03** for the article numbers of all **BIONIK** Handles available.



24.455.06 CNC North Carolina

Periodontal Probe exchangeable
graduation 1-15 in mm steps
M4 x 0.5 mm

26.193.10 BIONIK Universal Handle single-ended

QUICKFIX, black, incl. 1 end cap
The handle is available in 10 different colors.
See page **03-02** and **03-03** for the article numbers of all **BIONIK** Handles available.



24.453.15 Furcation Probe by Nabers

with graduation, double-ended, rolled, 5.5 mm

Universal Handle Endo-Control

acc. to Dr. Carsten Franke

With the **HELMUT ZEPF** Endo-Control Mouth Mirror Handle it is possible to simply determine the necessary working length due to the laser-marked measuring scale. The measuring precision can be adjusted to 0.5 mm. The sandblasted surface reduces reflections on the Endo-Control instrument surface.



Application **ZEPF** Endo-Control



24.454.03 CPG 11.5 (WHO)

Periodontal Probe exchangeable, M2.5
graduation 3.5/5.5/8.5/11.5 mm

26.180.07 Universal Handle

ZEPF Design, single-ended, M2.5 with endo calibration

Periodontal Probes

All **HELMUT ZEPF** Periodontal Probes are high-speed machined. Their tips are thus very fine and dimensionally accurate to within very high tolerances. All our PA-Probes have markings that withstand ultrasonic cleaning. Our WHO Periodontal Probes have spherical tips.

They are particularly ideal for:

- determining papillary
- bleeding indices, and their “stops” (the balls on their tips) prevent injuries when measuring the depths of pockets, i.e., they are more atraumatic than other types of PA Probes.



Periodontal Screening Index, PSI

For using the periodontal screening index, it is necessary to use the WHO probe. The steel ball at the distal end of the probe features a diameter of 0.5 mm.

The steel ball avoids not only injuries but allows to discover rough surfaces and edges of dental fillings. The first measurement area of the probe is a black 2 mm band, which shows the depth from 3.5 mm up to 5.5 mm. For further information, please check the relevant description of the periodontal screening index (PSI).



24.454.01 CPG 12

graduation 3/6/9/12 mm

The **ZEPF BIONIK** Handle is available in 10 different colors.

See page **03-02** and **03-03** for the article numbers of all

BIONIK Handles available.



24.454.02 CPNG 22

graduation 2/4/6/8/10/12 mm



24.454.03 CPG 11.5

graduation 3.5/5.5/8.5/11.5 mm



24.454.05 Williams

graduation 1/2/3/5/7/8/9/10 mm



24.454.06 CNC

graduation 1 - 15 in mm steps, North Carolina



24.454.06TI CNC

graduation 1 - 15 in mm steps, North Carolina, titanium



Color coding
ZEPF BIONIK

A detailed color scheme is illustrated on page 03-15.



ZEPF BIONIK Prophylaxis-Set 'Gracey'

The four most common Gracey Curettes and one Universal Scaler are all you need for the prophylaxis in all quadrants.

All inserts are exchangeable. **QUICKFIX**



24.990.50

ZEPF BIONIK

Prophylaxis Set 'Gracey', consisting of Gracey 5/6, 7/8, 11/12, 13/14, Scaler 204S and 1/3 Washtray

The set 'Gracey' consists of the following instruments:



24.751.105G

5-1	1-5
5-1	1-5

24.203.05G

GRA 5/6 Special Curette for front teeth/premolars, more sharply angled, red-purple



24.751.106G



24.751.107G

8-4	4-8
8-4	4-8

24.205.07G

GRA 7/8 Special Curette for premolars/molars, more sharply angled, light red-magenta



24.751.108G



24.751.111G

8-4	4-8
8-4	4-8

24.204.11G

GRA 11/12 Special Curette for use on all mesial surfaces of premolars/molars. Skewed to allow optimal placement, signal purple



24.751.112G



24.751.113G

8-4	4-8
8-4	4-8

24.207.13G

GRA 13/14 Special Curette for use on all distal surfaces of premolars/molars. Skewed to allow optimal placement, cobalt blue



24.751.114G



24.751.204L

8-6	6-8
8-6	6-8

24.208.04S

Sickle Scaler, # 204 S, for removing dental plaque from interdental spaces in the molar area, yellow-green



24.751.204R

Color coding
ZEPF BIONIK

A detailed color scheme is illustrated on page 03-15.



ZEPF BIONIK Prophylaxis Set 'M5 Deep Scaling'

HELMUT ZEPF M5 Curettes have a 1st shaft which is about 3 mm longer. The sharpened instrument tip is shortened as to allow a special subgingival curettage for tight and deep pockets as well as narrow root surfaces. All inserts are exchangeable. **QUICKFIX**



24.990.55

ZEPF BIONIK Prophylaxis Set 'M5 Deep Scaling', consisting of Gracey 1/2 M5, 7/8 M5, 11/12 M5, 13/14 M5, Scaler 204S and 1/3 Washtray

The set 'M5 Deep Scaling' consists of following instruments:



24.751.101GM5

GRA 1/2 M5 Special Curette for front teeth, slightly angled, yellow



24.201.01GM5



24.751.102GM5



24.751.107GM5

GRA 7/8 M5 Special Curette for premolars/molars, more sharply angled, lightred-magenta



24.205.07GM5



24.751.108GM5



24.751.111GM5

GRA 11/12 M5 M5 Special Curette for use on all mesial surfaces of premolars/molars. Skewed to allow optimal placement, signal purple



24.204.11GM5



24.751.112GM5



24.751.113GM5

GRA 13/14 M5 Special Curette for use on all distal surfaces of premolars/molars. Skewed to allow optimal placement, cobalt blue



24.207.13GM5



24.751.114GM5



24.751.204L

Sickle Scaler, # 204 S, for removing dental plaque from interdental spaces in the molar area, yellow-green



24.208.04S

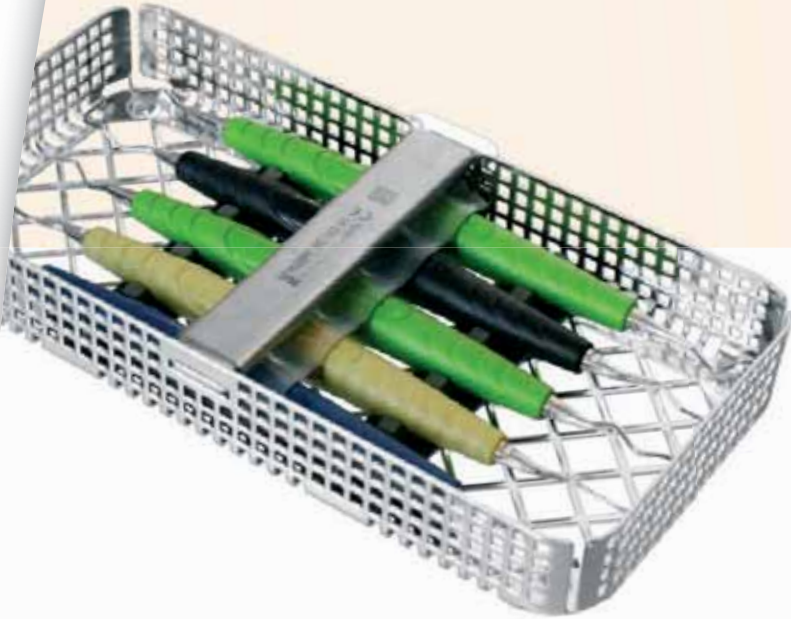


24.751.204R





reddot design award
winner 2010



ZEPF **BIONIK** Prophylaxis Set 'Universal'

Unlike Gracey Curettes, **HELMUT ZEPF** Universal Curettes have two working surfaces or cutting edges. The Universal Set allows a quick and efficient prophylaxis treatment.

24.990.60

ZEPF BIONIK
Prophylaxis Set 'Universal',
consisting of Langer 1/2, 3/4, 5/6, M23
Scaler 204S and 1/3 Washtray.
QUICKFIX

The 'Universal' Set
consists of the following instruments:



24.751.101L



24.210.01L

Langer, # L 1/2,

Universal Curette for use on lower molars and premolars, black



24.751.102L



24.751.103L



24.208.03L

Langer, # L 3/4,

Universal Curette for use on upper molars and premolars, yellow-green



24.751.104L



24.751.105L



24.201.05L

Langer, # L 5/6,

Universal Curette for use on upper and lower front teeth, yellow



24.751.106L



24.751.123L



24.207.23

M 23 Scaler for use on upper and lower side teeth and supragingival dental plaque. Slim version, cobalt blue



24.751.123R



24.751.204L



24.208.04S

Sickle Scaler, # 204 S, for removing dental plaque from interdental spaces in the molar area, yellow-green



24.751.204R



24.990.35

ZEPF BIONIK Prophylaxis Set 'Bionik'

ZEPF BIONIK

Prophylaxis Set 'Bionik', consisting of Gracey 5/6, 7/8, 11/12, 13/14, Hygienist 6/7, Scaler 204S, PA Probe CPG 12 with BIONIK Universal Handle and 1/2 Washtray. **QUICKFIX**

The 'Bionik' Set consists of the following instruments:



24.454.01 CPG 12

graduation 3/6 / 9/12 mm

26.194.06

BIONIK Universal Handle, PEEK, for exchangeable inserts, single-ended, turquoise-brightblue



24.751.105G

GRA 5/6 Special Curette for front teeth/premolars, more sharply angled, red-purple

24.203.05G



24.751.106G



24.751.107G

GRA 7/8 Special Curette for premolars/molars, more sharply angled, lightred-magenta

24.205.07G



24.751.108G



24.751.111G

GRA 11/12 Special Curette for use on all mesial surfaces of premolars/molars. Skewed to allow optimal placement, signal purple

24.204.11G



24.751.112G



24.751.113G

GRA 13/14 Special Curette for use on all distal surfaces of premolars/molars. Skewed to allow optimal placement, cobalt blue

24.207.13G



24.751.114G



24.751.107H

Hygienist, # H 6/7, Sickle Scaler, with opposed tips, for front teeth and premolars, yellow-green

24.208.06H



24.751.106H



24.751.204L

Sickle Scaler, # 204 S, for removing dental plaque from interdental spaces in the molar area, yellow-green

24.208.04S



24.751.204R





reddot design award
winner 2010

ZEPF **BIONIK** Gracey Special Curettes

HELMUT ZEPF Gracey Curettes are special Curettes that have just a single working surface or cutting edge, and are thus suitable for removing concretions or dental plaque only.

The **ZEPF BIONIK** Handles are available in 10 different colors.

See page **03-02** and **03-03** for article numbers of the different color and handle versions.

QUICKFIX



<table border="0"> <tr> <td style="text-align: center;">3-1 1-3</td> <td style="text-align: center;">5-1 1-5</td> <td style="text-align: center;">5-1 1-5</td> <td style="text-align: center;">8-4 4-8</td> <td style="text-align: center;">8-4 4-8</td> </tr> <tr> <td style="text-align: center;">3-1 1-3</td> <td style="text-align: center;">5-1 1-5</td> <td style="text-align: center;">5-1 1-5</td> <td style="text-align: center;">8-4 4-8</td> <td style="text-align: center;">8-4 4-8</td> </tr> </table>	3-1 1-3	5-1 1-5	5-1 1-5	8-4 4-8	8-4 4-8	3-1 1-3	5-1 1-5	5-1 1-5	8-4 4-8	8-4 4-8					
3-1 1-3	5-1 1-5	5-1 1-5	8-4 4-8	8-4 4-8											
3-1 1-3	5-1 1-5	5-1 1-5	8-4 4-8	8-4 4-8											
24.751.101G	24.751.103G	24.751.105G	24.751.107G	24.751.109G											
															
GRA 1/2 Special Curette for front teeth, slightly angled, yellow	GRA 3/4 Special Curette for front teeth/premolars, slightly angled, signal orange	GRA 5/6 Special Curette for front teeth/premolars, more sharply angled, red-purple	GRA 7/8 Special Curette for front teeth/premolars, buccal/lingual, more sharply angled, red-purple	GRA 9/10 Special Curette for premolars/molars, very sharply angled, turquoise-brightblue											
24.751.102G	24.751.104G	24.751.106G	24.751.108G	24.751.110G											
															
24.201.01G	24.202.03G	24.203.05G	24.205.07G	24.206.09G											
CS ●	CS ●	CS ●	CS ●	CS ●											
24.536.01G	24.536.03G	24.536.05G	24.537.07G	24.537.09G											

Color Coding ZEPF **BIONIK** Gracey Special Currettes



Incisors / Canines

	GRA 1/2	3-1 1-3
	GRA 3/4	5-1 1-5
	GRA 5/6	5-1 1-5



Premolars / Molars

	GRA 7/8	8-4 4-8
	GRA 9/10	8-4 4-8
	GRA 11/12	8-4 4-8

	GRA 13/14	8-4 4-8
	GRA 15/16	8-4 4-8
	GRA 17/18	8-4 4-8

8-4	4-8
8-4	4-8

8-4	4-8
8-4	4-8

8-4	4-8
8-4	4-8

8-4	4-8
8-4	4-8

24.751.111G



GRA 11/12 Special Curette for use on all mesial surfaces of premolars / molars. Skewed to allow optimal placement, signal purple

24.204.11G

CS ●

24.535.11G

24.751.113G



GRA 13/14 Special Curette for use on all distal surfaces of premolars / molars. Skewed to allow optimal placement, cobalt blue

24.207.13G

CS ●

24.534.13G

24.751.115G



GRA 15/16 Special Curette for use on all mesial surfaces of premolars / molars. Skewed like 13/14, opposite working surface, signal purple

24.204.15G

CS ●

24.535.15G

24.751.117G



GRA 17/18 Special Curette for use on premolars / molars. Triple-skewed for optimal access to distal surfaces or deep pockets. Provides good access, even when mouth openings are restricted, cobalt blue

24.207.17G

CS ●

24.534.17G





reddot design award
winner 2010

ZEPF **BIONIK** Universal Curettes

Unlike Gracey Curettes, **HELMUT ZEPF** Universal Curettes have two working surfaces or cutting edges, and thus allow using the same instrument on teeth's mesial and distal surfaces. All inserts are exchangeable.

The **ZEPF BIONIK** Handles are available in 10 different colors.

See page **03-02** and **03-03** for the article numbers of all **BIONIK** Handles available.

QUICKFIX



3-1	1-3
3-1	1-3

24.751.102LC



Columbia University, # CU 2R/2L,
Universal Curette for use on all front teeth, cobalt blue

24.207.02C

CS ●

24.534.02C

8-1	1-8
8-1	1-8

24.751.113C



Columbia University, # CU 13/14,
Universal Curette suitable for all types of use, cobalt blue

24.207.13C

CS ●

24.534.13C

8-4	4-8
8-4	4-8

24.751.104LC



Columbia University, # CU 4R/4L,
Universal Curette for use on all side teeth, cobalt blue

24.207.04C

CS ●

24.534.04C

8-1	1-8
8-1	1-8

24.751.113MC



McCalli, # MC 13S/14S, Scaler for use on interdental spaces
on front teeth and premolars, cobalt blue

24.207.13MC

CS ●

24.534.13MC

24.207.17MC McCall, # MC 17S/18S,
Universal Curette for use on molars, cobalt blue

24.534.17MC

CS ●



24.751.101L

24.751.102L

24.210.01L

24.538.01L

-		-
8-4		4-8



Langer, # L 1/2,
Universal Curette for use on lower molars and premolars, black

24.751.103L

24.751.104L

24.208.03L

24.532.03L

8-4		4-8
-		-



Langer, # L 3/4,
Universal Curette for use on upper molars and premolars, yellow-green

24.751.105L

24.751.106L

24.201.05L

24.536.05L

3-1		1-3
3-1		1-3



Langer, # L 5/6,
Universal Curette for use on upper and lower front teeth, yellow

24.751.123L

24.751.123R

24.207.23

24.534.23

8-4		4-8
8-4		4-8



M 23 Scaler for use on upper and lower side teeth and supragingival dental plaque. Slim version, cobalt blue





reddot design award
winner 2010

ZEPF BIONIK Universal Titanium Currettes 

Universal Currettes with exchangeable, very delicate titanium inserts from **HELMUT ZEPF**, to remove the accumulated plaque film on the implant necks.

The titanium inserts are exchangeable.

The **ZEPF BIONIK** Handles are available in 10 different colors.

See page **03-02** and **03-03** for article numbers of the different color and handle versions. **QUICKFIX**



24.751.101L-TI



Langer, # L 1/2, Universal Curette
for use on lower molars and premolars, black

24.210.01L-TI



24.751.103L-TI



Langer, # L 3/4, Universal Curette
for use on upper molars and premolars, yellow-green

24.208.03L-TI



24.751.105L-TI



Langer, # L 5/6, Universal Curette
for use on upper and lower front teeth, yellow

24.201.05L-TI



24.751.104LC-TI



Columbia University, # CU 4R/4L,
Universal Curette for use on all side teeth, cobalt blue

24.207.04C-TI





ZEPF **BIONIK** M5 Titanium Curettes

HELMUT ZEPF M5 Curettes have a 1st shaft which is about 3 mm longer. To remove the accumulated plaque film on the implant necks.

The titanium inserts are exchangeable.

The **ZEPF BIONIK** Handles are available in 10 different colors.

See page **03-02** and **03-03** for article numbers of the different color and handle versions. **QUICKFIX**

3-1	1-3
3-1	1-3

8-4	4-8
8-4	4-8

8-4	4-8
8-4	4-8

8-4	4-8
8-4	4-8

24.751.101GM5-TI



GRA 1/2 M5 Special Curette, for front teeth, slightly angled, yellow

24.201.01GM5-TI

24.751.107GM5-TI



GRA 7/8 M5 Special Curette, for premolars/molars, more sharply angled, lightred-magenta

24.205.07GM5-TI

24.751.111GM5-TI



GRA 11/12 M5 Special Curette, for use on all mesial surfaces of premolars/molars. Skewed to allow optimal placement, signal purple

24.204.11GM5-TI

24.751.113GM5-TI



GRA 13/14 M5 Special Curette, for use on all distal surfaces of premolars/molars. Skewed to allow optimal placement, cobalt blue

24.207.13GM5-TI





reddot design award
winner 2010

ZEPF **BIONIK** Scaler

HELMUT ZEPF Sickle Scalers have ultrafine tips for supragingival use. Unlike Jacquette scalars, they have curved facial surfaces. With blunt tips, for general use. All inserts are exchangeable.

The **ZEPF BIONIK** Handles are available in 10 different colors.

See page **03-02** and **03-03** for article numbers of the different color and handle versions.

QUICKFIX

3-1	1-3
3-1	1-3



24.751.130

Scaler for use on front teeth,
yellow-green

24.208.30S

CS ●

24.532.30S

5-1	1-5
5-1	1-5



24.751.107H

Hygienist, # H 6/7, Sickle Scaler with opposed tips,
for front teeth and premolars, yellow-green

24.208.06H

CS ●

24.532.06H

5-1	1-5
5-1	1-5



24.751.107HF

Hygienist, # H 6/7, Sickle Scaler with opposed tips, very fine version,
for front teeth and premolars, yellow-green

24.208.06HF

8-1	1-8
8-1	1-8



24.751.102CI

Mini-Kaplan, # CI 2/3, Sickle Scaler with large facial surfaces
matched to tooth contours for removing massive accumulations of dental plaque
or plastic, cement, or adhesive residues from all interdental spaces, yellow-green

24.208.02CI

CS ●

24.532.02CI

8-1	1-8
8-1	1-8



24.751.135UL

Sickle Scaler, # U 135, with small facial surfaces matched
to tooth contours for use in all interdental spaces, yellow-green

24.208.35U

CS ●

24.532.35U



24.209.04GX Sickle Curette (Scaler), # GXC 4,
with blunt tips for general use, grey

CS ● **24.537.04GX**



24.751.104XL

24.751.104XR

8-1	1-8
8-1	1-8

8-1	1-8
8-1	1-8



24.751.103TA

24.208.02T

CS ●

24.532.02T

Taylor, # T 2/3, medium-sized Scaler with facial surfaces matched to tooth contours for use in all interdental spaces, yellow-green

8-6	6-8
8-6	6-8



24.751.204R

24.208.04S

CS ●

24.532.04S

Sickle Scaler, # 204 S, for removing dental plaque from interdental spaces in the molar area, yellow-green

5-1	1-5
5-1	1-5



24.751.204RD

24.208.04SD

CS ●

24.532.04SD

Sickle Scaler, # 204 SD, for removing dental plaque from narrow interdental spaces in the premolar and frontal area, yellow-green

8-1	1-8
8-1	1-8



24.751.123AR

24.208.23A

CS ●

24.532.23A

Sickle Curette (Molar Scaler), # M 23A, with blunt tips for removing dental plaque from interdental spaces in the molar area. Also suitable for general use, yellow-green



Special Curettes



$\frac{3-1}{3-1} \mid \frac{1-3}{1-3}$



GRA 1/2

for use on front teeth, slightly angled

24.551.01

$\frac{5-1}{5-1} \mid \frac{1-5}{1-5}$



GRA 3/4

for use on front teeth/premolars, slightly angled

24.551.03

$\frac{5-1}{5-1} \mid \frac{1-5}{1-5}$



GRA 5/6

for use on front teeth/premolars, more sharply angled

24.551.05

$\frac{8-4}{8-4} \mid \frac{4-8}{4-8}$



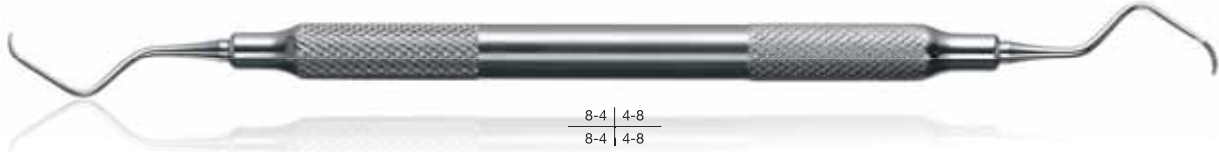
GRA 7/8

for use on premolars/molars, buccal/lingual, more sharply angled

24.551.07



24.551.09 GRA 9/10 for use on premolars / molars, buccal / lingual, very sharply angled



8-4	4-8
8-4	4-8



GRA 11/12

for use on all mesial surfaces of premolars / molars.
Skewed to allow optimal placement on dental surfaces

24.551.11

8-4	4-8
8-4	4-8



GRA 13/14

for use on all distal surfaces of premolars / molars.
Skewed to allow optimal placement on dental surfaces

24.551.13

8-4	4-8
8-4	4-8



GRA 15/16

for use on premolars / molars. Like 13/14, skewed,
but with working surfaces also skewed in order to allow handling mesial surfaces

24.551.15

8-4	4-8
8-4	4-8



GRA 17/18

for use on premolars / molars. Triple-skewed for optimal access to distal surfaces or
deep pockets. Provides good access, even when mouth openings are restricted

24.551.17



Universal Curettes



-	-
8-4	4-8

8-4	4-8
-	-

3-1	1-3
3-1	1-3



L 1/2

Langer Curette, for use on lower molars and premolars

24.553.01



L 3/4

Langer Curette, for use on upper molars and premolars

24.553.03



L 5/6

Langer Curette, for use on upper and lower front teeth

24.553.05

Scaler



8-6	6-8
8-6	6-8



24.551.24S

204S

Sickle Scaler for removing dental plaque from interdental spaces in the molar area

5-1	1-5
5-1	1-5



24.561.67

H 6/7

Hygienist, Sickle Scaler with opposed tips, and thus for suitable use on both mesial and distal surfaces on front teeth and premolars

5-1	1-5
5-1	1-5



24.565.33

H 5/33

Scaler, double-ended, **Towner / Jacquette**





Hirschfeld Periodontic Files

For removing very hard dental plaque, concretations, and deposits on root surfaces and for smoothing.



3/7, buccal and lingual

24.488.01



5/11, mesial and distal

24.488.02

Gingivectomy Knives



Gingivectomy Knives, # K 15/16

Kirkland type. The concave sections of their contoured blades are particularly ideal for use in retromolar areas, while their tips are particularly ideal for use in interdental spaces in molar areas

24.437.01



Gingivectomy Knives, # GF7

Goldman-Fox, for long, diagonal, cutting paths. Their drop-shaped tips allow their use in retromolar areas as well

24.437.02



Gingivectomy Knives, # GF3

Goldman-Fox, lance-shaped, cutter for use in interdental spaces

24.437.03



Gingivectomy Knives, # GF11

Goldman-Fox, for use in the molar area. Sharply angled tips. Their very flat, long and slim lance-shaped handle allow fine cuts/incisions

24.437.04



Gingivectomy Knives, # 3/4

Merrifield type. Their flat, pointed, elliptical tips allow rapid and accurate rolling all the way from the ends of its tips down to the ends of their concave sections

24.437.07



Periodontal Files



Ch Fedi 1, working tips 1.5 mm

24.493.01



Ch Fedi 2, working tips 2.5 mm

24.493.02



Ch Fedi 3, working tips 3.5 mm

24.493.03



Ochsenbein, Chisels, # 1, 4 mm

24.490.01



Ochsenbein, Chisels, # 2, 4 mm

24.490.02



Back Action Chisels, working tips 3 / 4 mm

24.495.01



Back Action Chisels, working tips 4 / 5 mm

24.495.02



Back Action Chisels, working tips 3 / 5 mm

24.495.03



Ochsenbein, # 3, working tips 1.5 mm

24.491.01



Ochsenbein, # 4, working tips 4 mm

24.491.02



Rhodes Back Action Chisel, straight, # 36/37, working tips 4.3 mm

24.494.00

This periodontic Chisel is ideally suited to remove bone materials, as well as contouring bones



Original Arkansas Sharpening Stones



24.914.10

100 x 10/1 mm, conical

24.914.25

115 x 45 x 10/3 mm, wedge shape

24.916.10

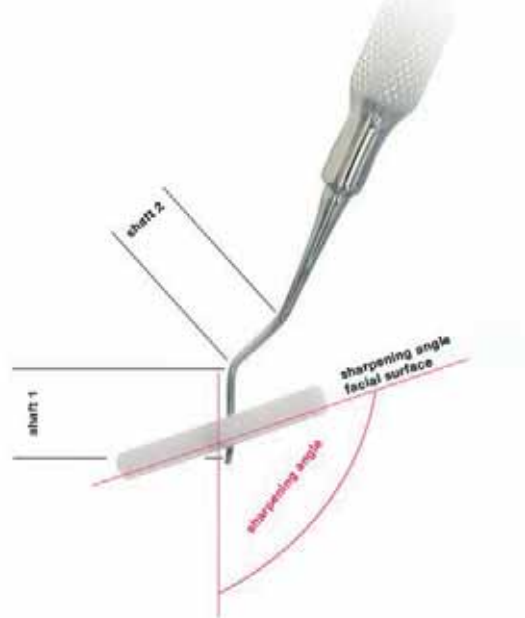
100 x 25 x 6 mm, flat



24.926.10

Magnetic Sticks

Once the first shaft is fixed in a right angle (use a vise with "Rounded Swing Head" for this purpose) the magnet stick is placed onto the facial surface. This will be carried out automatically. In so doing, you achieve the sharpening angle simply and accurately. As such you can now sharpen the curettes with precision. Best results can be obtained with Natural Stone (Original Arkansas) and wetting slightly with Sharpening Oil 24.950.00.



24.926.75

Test Probe, Acryl Glass

76 x 6 mm,
QTY = 6 pieces

24.950.00

Sharpening Oil 100 ml,
for Original **ZEPF** and
Arkansas Stones

24.951.01

Vise

Vise on a ball socket, revolving in all directions, for installing on table with screw.





24.918.15

115 x 40 x 10-2 mm, conical



24.923.10

110 x 10 mm, round

Original Arkansas Stone

The diameter of the Original Arkansas Stone is designed to fit the contour of the working ends of our luxation elevator 17.006.01 to 04 and those of our **ZEPF** Xtool-Elevator 17.007.01 to 07.

So do sharpen your luxation elevators regularly! The best results can be obtained in combination with our Sharpening Oil 24.950.00.

ZEPF Sharpening Stones

Just sharp instruments! Oxide ceramic sharpening stone with extraordinary hardness. Highest resistance to wear and tear and to deformation, to achieve an excellent surface quality when grinding. The low wear properties provide attractive economic advantages in comparison to customary Arkansas sharpening stones.



24.914.30

100 x 30 x 7/2 mm, wedge shape, medium



24.914.35

125 x 25 x 10 mm, flat, medium



24.914.40

100 x 10 mm, round, medium

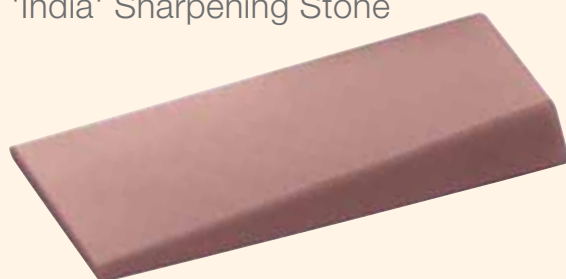


24.914.45

100 x 5 x 2 mm, conical, fine



'India' Sharpening Stone

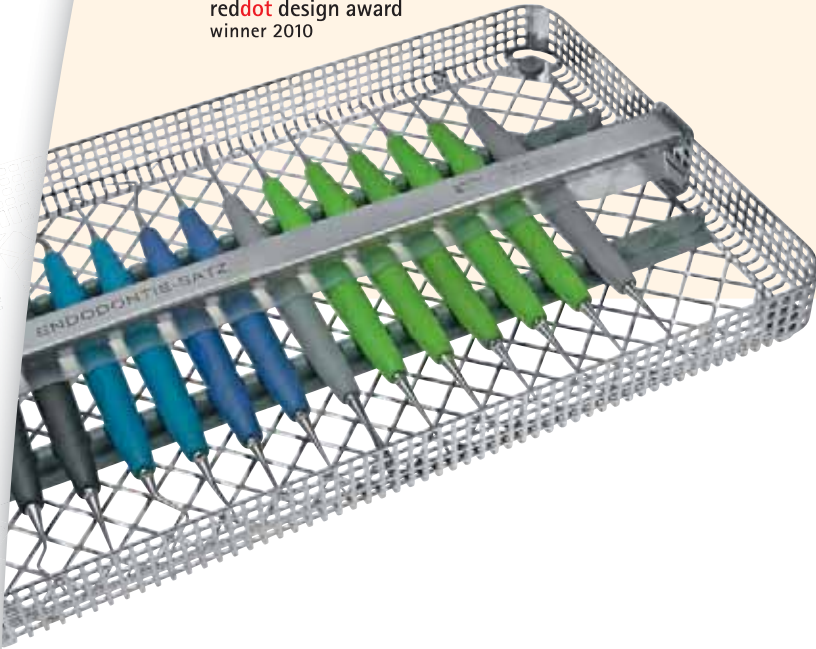


24.919.15

'India' multiform
125 x 40 x 10-2 mm, conical, fine



reddot design award
winner 2010



ZEPF **BIONIK** Endo Set

The **HELMUT ZEPF** Endo Set contains extremely fine working tips to ensure a safe access to the delicate root apex.

The **ZEPF BIONIK** Handle is available in 10 different colors. See page **03-02** and **03-03** for article numbers of the different color and handle versions. **QUICKFIX**

24.725.00

ZEPF **BIONIK**

Complete Kit for the retrograde microsurgical technique in the endodontic field, incl. washtray

The 'Endo' Set consists of the following instruments:



24.751.113C

Columbia, Universal Curette 13/14



24.751.114C

24.725.05



24.751.110

Scalor, double-ended, tip 45° / 90°



24.751.111

24.725.07



24.751.112L

Excavator surgical, double-ended, angled 1.4 mm, flat



24.751.112R

24.725.08



24.751.113L

Excavator surgical, double-ended, angled 1.2 mm, round



24.751.113R

24.725.09



24.751.105

Explorer, double-ended, # 16 and # 9



24.751.104

24.725.20



24.751.109

24.725.21

Micro Explorer, double-ended, tip 45° / 90°



24.751.108



24.751.148

24.725.58

Raspatory, double-ended



24.751.149



24.751.169

24.725.70

Retro-Instrument, plugger Ø 1.5 mm, spatula



24.751.168



24.751.167

24.725.71

Retro-Instrument, plugger Ø 1.5 mm, spatula



24.751.169



24.751.170

24.725.72

Retro-Instrument, plugger Ø 0.8 / Ø 0.5 mm, 130°, micro plugger



24.751.172



24.751.171

24.725.73

Retro-Instrument, plugger Ø 0.8 / Ø 0.5 mm, 130°, micro plugger



24.751.172



24.751.172

24.725.74

Retro-Instrument, plugger Ø 0.8 / Ø 0.5 mm, 65°, micro plugger



24.751.173



24.751.153

24.725.86

Combined Instrument, Raspatory-Scalpel-Dissection Tip



24.751.179



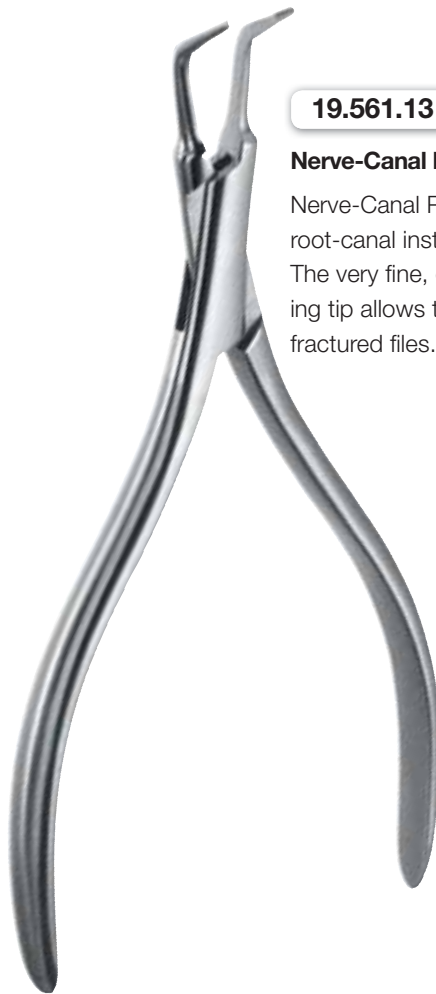
Anatomical Plate Forceps acc. to Dr. Dirk **Brozio**



22.107.21

Anatomical Plate Forceps acc. to Dr. Dirk **Brozio**

The planar contact generated by compressing the tweezers, ensures a safe support in each grip angle. The Plate Forceps are featuring a much higher safety when gripping, holding and positioning fine and delicate objects. This problem has been solved by the patented design of the Plate Forceps as their working tips have circular surfaces with additional serrations inside. Easy and relaxed handling due to low holding forces to allow a safe and fast treatment.



19.561.13

Nerve-Canal Pliers

Nerve-Canal Pliers for grasping fractured root-canal instruments or silver pins. The very fine, concave cutout on the working tip allows to remove even deep-lying fractured files.



22.031.08

London-College 15 cm



24.074.13 Ø 3.0 mm



24.074.15 Ø 5.0 mm



24.074.16 7.0 x 2.0 mm



24.074.17 9.0 x 3.0 mm

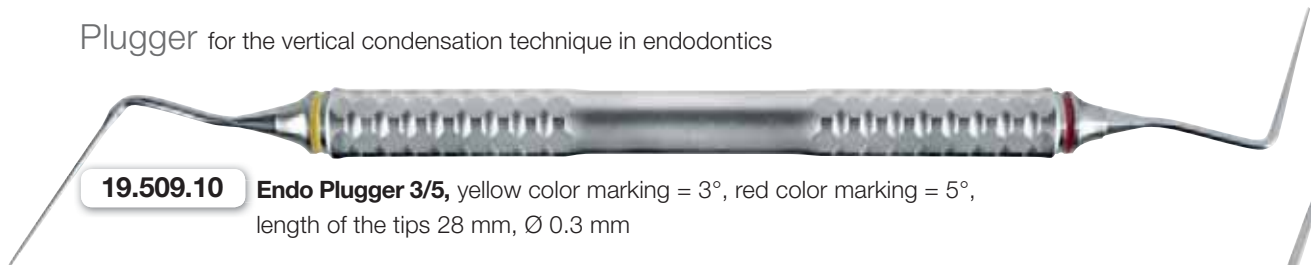
Micro-Mirrors

Micro-Mirror with rhodium front surface coating, for a distortion-free mirror image, without double reflection.

The Micro-Mirrors are excellent aids in microsurgery and endodontics. Suitable for usage with enlarging glasses or OP-Microscopes.

All mirrors fit into commercially available mouth mirror handles with a diameter of M 2.5 mm (see page 02-02).

Plugger for the vertical condensation technique in endodontics



19.509.10 Endo Plugger 3/5, yellow color marking = 3°, red color marking = 5°, length of the tips 28 mm, Ø 0.3 mm

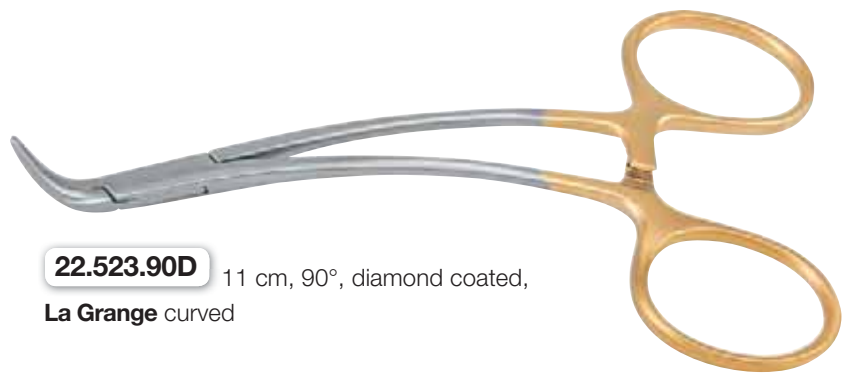


19.509.20 Endo Plugger 7/10, blue color marking = 7°, grey color marking = 10°, length of the tips 28 mm, Ø 0.3 mm

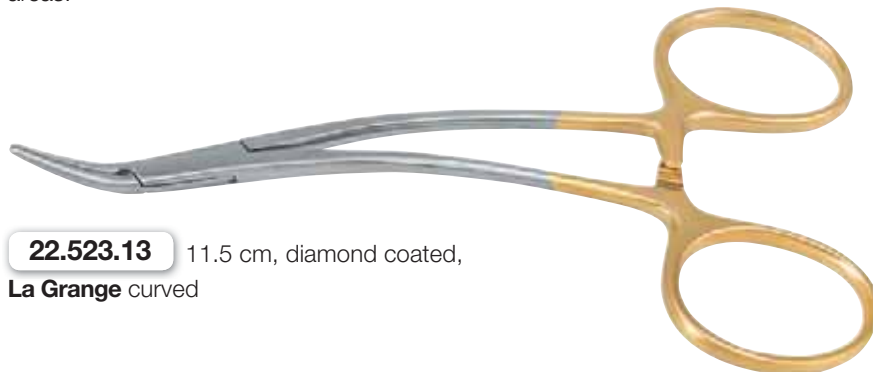


Peet Splinter Forceps

The Peet Splinter Forceps is a clamp with perfect grip due to diamond coating. The universal S-curve, as known from La Grange Scissors, makes it particularly flexible in usage. The Peet Splinter Forceps 22.523.90D has a stronger curve (90°), which increases accessibility into the molar areas.



22.523.90D 11 cm, 90°, diamond coated, La Grange curved



22.523.13 11.5 cm, diamond coated, La Grange curved

Root Canal Instruments

All figures are very flexible.



19.516.00 Glick Root Canal Plugger for gutta percha application



19.521.00 Root Canal Explorer DG 16 double-ended, round handle



Root Canal Spreader

tip 23 mm



19.513.03 Root Canal Spreader \varnothing 0.3 mm



19.513.04 Root Canal Spreader \varnothing 0.4 mm



19.513.05 Root Canal Spreader \varnothing 0.5 mm

Root Canal Plugger

40°, graduation 5/10/15/20 mm



19.512.13 Luks Root Canal Plugger Ø 0.3 mm



19.512.14 Luks Root Canal Plugger Ø 0.4 mm



19.512.16 Luks Root Canal Plugger Ø 0.6 mm



19.512.19 Luks Root Canal Plugger Ø 0.9 mm

Root Canal Plugger

65°, graduation 5/10/15/20 mm



19.512.03 Root Canal Plugger Ø 0.3 mm



19.512.04 Root Canal Plugger Ø 0.45 mm



19.512.06 Root Canal Plugger Ø 0.6 mm



19.512.09 Root Canal Plugger Ø 0.9 mm



03 ⁰³⁻³⁸ Periodontology

+49 (0) 74 64 / 98 88 0



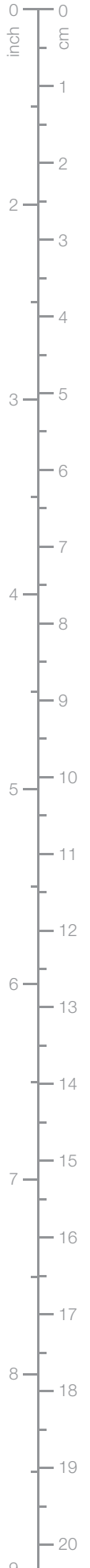
zepi-dental.com



MADE IN GERMANY

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

Scale



ZEPF **BIONIK** Composite Sets

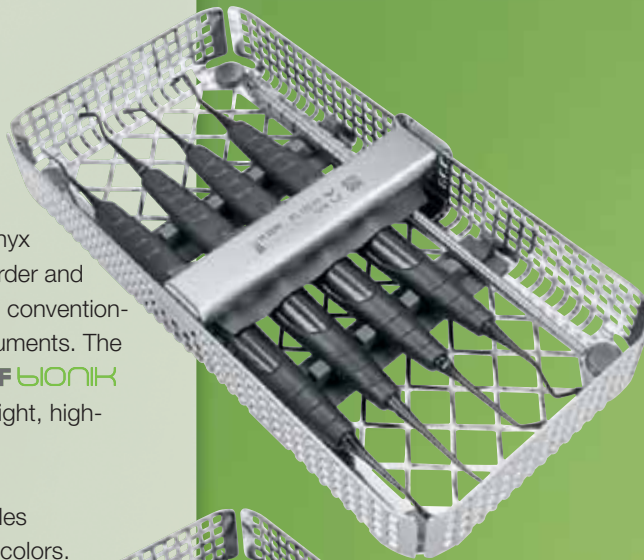
All Composite Tips feature the special **ZEPF** Onyx coating.

The reflection-free **ZEPF** Onyx coating is extra smooth, harder and more scratch-resistant than conventionally coated composite instruments. The popular handles in the **ZEPF BIONIK** design are made of lightweight, high-quality plastic material.

The **ZEPF BIONIK** Handles are available in 10 different colors. See page **03-02** and **03-03** for article numbers of the different color and handle versions.



reddot design award
winner 2010

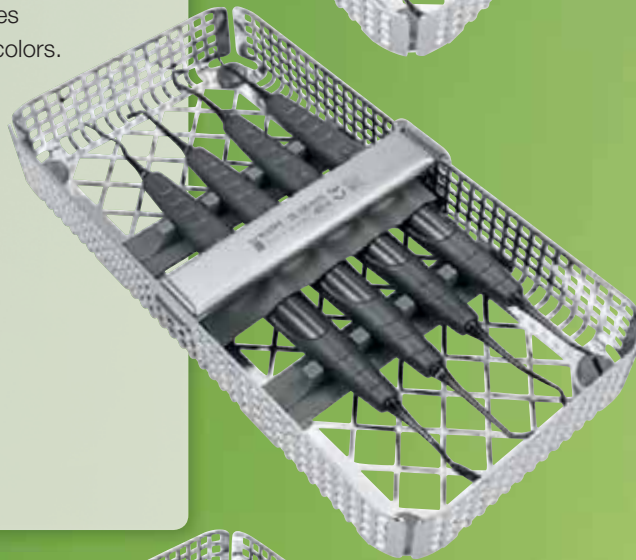


19.202.00



Compo**SMOOTH** Complete Set

by Dr. Gabriel Krastl
incl. Washtray 1/3
and Soft Application
Inserts in a box,
as described on
pages **04-02** to **04-04**



26.120.01Ti

Small Composite Set

incl. Washtray 1/3
as described on
pages **04-02** to **04-04**



26.120.00Ti

Big Composite Set

incl. Washtray 1/2
as described on
pages **04-02** to **04-04**



The **ZEPF bIONIK** Composite Sets

26.120.01Ti Small Composite Set

26.120.00Ti Big Composite Set

19.202.00 CompoSMOOTH Set

The sets contain the accordingly marked Composite Instruments    :



<p>24.751.318Ti</p>  <p>24.751.321Ti</p>	<p>26.120.122Ti</p>  <p>26.120.121Ti</p>	<p>24.751.323Ti</p>  <p>24.751.322Ti</p>	<p>24.751.325Ti</p>  <p>24.751.324Ti</p>	<p>24.751.325Ti</p>  <p>24.751.323Ti</p>	<p>24.751.327Ti</p>  <p>24.751.326Ti</p>
<p># 2, Spatula 2.8 mm, large</p>	<p>Spatula 1.8 mm / Beavertail Insert 2.6 mm</p>	<p># 1, Spatula 2.2 mm / Burnisher Ø 1.5 mm (pear-shaped) combination, small</p>	<p># 2, Spatula 2.4 mm / Burnisher Ø 1.9 mm (pear-shaped) combination, large</p>	<p>Burnisher Ø 1.5 mm / Burnisher Ø 1.9 mm (pear-shaped)</p>	<p># 1, Condenser small Ø 1.6 mm / large Ø 2.5 mm</p>
<p>26.120.11Ti</p> <p>  </p>	<p>26.120.12Ti</p> <p>  </p>	<p>26.120.20Ti</p> <p>  </p>	<p>26.120.21Ti</p> <p>  </p>	<p>26.120.25Ti</p> <p>  </p>	<p>26.120.30Ti</p> <p>  </p>

1, Spatula 1.5 mm, small

24.751.320Ti

24.751.319Ti



26.120.10Ti

X X X

24.751.329Ti



2, Plugger, cone-shaped, to form the fissures, small Ø 1.8 mm / large Ø 2.2 mm

26.120.322Ti



Fissure Former Ø 1.9 mm / Ø 2.3 mm

24.751.331Ti



1, Plugger combination, cone-shaped, small, Ø 1.7 mm / small Ø 1.7 mm, with special bend for the molar region

24.751.333Ti



1, small Spatula Combination, 1.7 mm. Optimal access to the mesial and distal area due to special bend

24.751.402Ti



Plugger, ball Ø 0.9 mm / Plugger, ball Ø 1.3 mm

24.751.404Ti



Plugger, ball Ø 2.1 mm / Plugger, ball Ø 1.3 mm, stumpf

24.751.328Ti



26.120.31Ti

X

26.120.321Ti



26.120.32Ti

X

24.751.330Ti



26.120.40Ti

X X

24.751.332Ti



26.120.50Ti

X

24.751.401Ti



26.120.60Ti

24.751.403Ti



26.120.70Ti



04 ⁰⁴⁻⁰⁴ Conservation

+49 (0) 74 64 / 98 88 0



CompoSMOOTH

THE SURFACE IS THE KEY...

Re-creating the original tooth as faithfully as possible is a challenging task for the material, the dental technician and the dentist. In case of direct composite restorations, the complete esthetic responsibility lies in the hands of the practitioner. Optimal instruments are the key to success.



19.201.11



19.201.21



19.201.31



Soft Application Inserts for layering technique
for handle **19.200.00**
QTY 12 pieces



19.202.00

CompoSMOOTH Complete Set in the box incl. waschtry 1/2, with brush holder, 3 x 12 Soft Application Inserts und 4 composite instruments



CompoSMOOTH

THE SURFACE IS THE KEY...



19.200.00

CompoSMOOTH
Brush Holder **ZEPF-Line**
with push out function

The new **CompoSMOOTH**, a special silicone brush, allows an effortless adaptation and modelling of the composite surface before polymerization. Even “sticky” composites can be adapted in an optimal way. The perfect surface morphology is created almost automatically by slight pressure. The tooth shape is modeled in a way that reduces the subsequent polishing work to a minimum... and the result – optimal!



24.751.319Ti



1, Spatula 1.5 mm, small

26.120.10Ti

26.120.122Ti



Spatula 1.8 mm / Beavertail Insert 2.6 mm

26.120.12Ti

24.751.325Ti



Plugger Ø 1.5 mm / Plugger Ø 1.9 mm (pear-shaped)

26.120.25Ti

26.120.322Ti



Fissure Former Ø 1.9 mm / Ø 2.3 mm

26.120.32Ti





26.430.21 Ivory

Amalgam Gun



26.426.45 with screw off plastic point, 45°

Pear-shaped Plugger



26.200.17 # 17



26.200.18 # 18



26.200.19 # 19



$\varnothing 1.4$



$\varnothing 2.0$



$\varnothing 2.5$



26.428.01

plastic



26.428.02

plastic



26.428.03

metal



26.428.04

metal

Ball-shaped Plugger



26.200.00 # 0



26.200.01 # 1



26.200.02 # 2



26.200.03 # 3



26.200.04 # 4



Spatel



13

26.200.13

fine version, 1.6 mm

Condenser

HELMUT ZEPF Filling Instruments are well-balanced, i.e., the offsets of their blades are symmetric about the longitudinal axes of their handle, which keeps their blades from twisting under load.



35

26.200.35



36

26.200.36

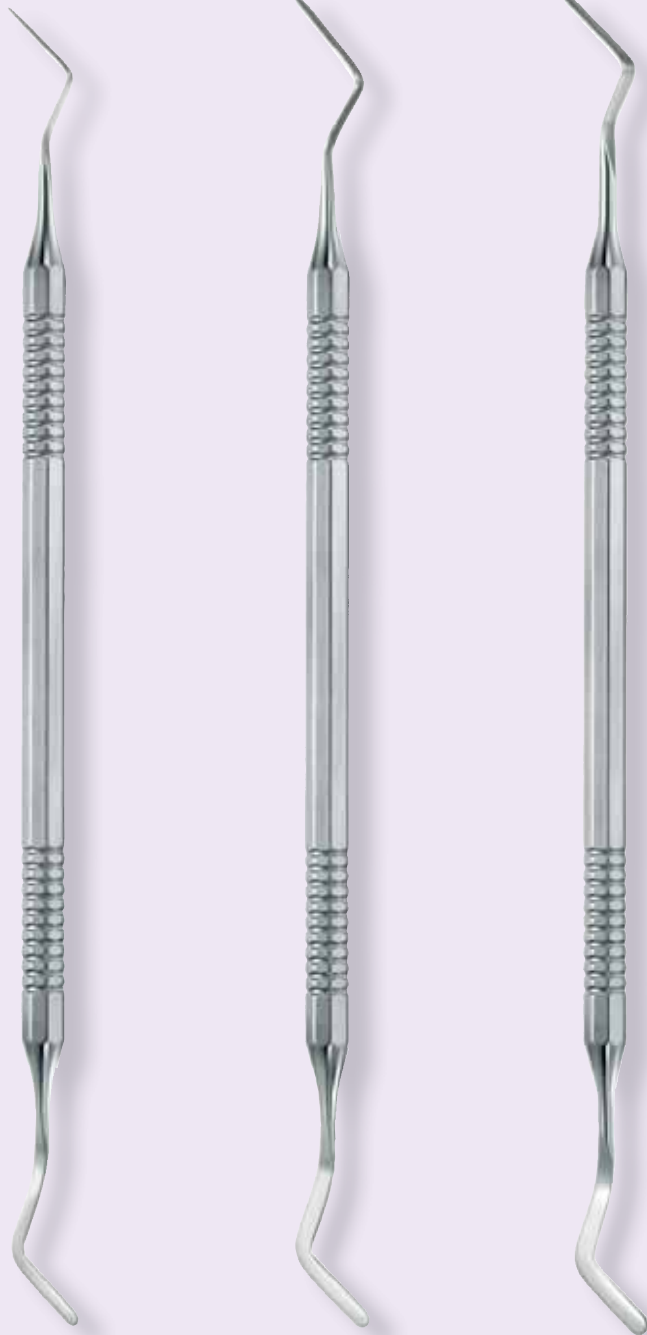


37

26.200.37



Heidemann Spatula



0

26.260.00

flexible, 2.0 mm

26.262.00

rigid/arched, 2.0 mm

1

26.260.01

flexible, 2.5 mm

26.262.01

rigid/arched, 2.5 mm

2

26.260.02

flexible, 3.0 mm

26.262.02

rigid/arched, 3.0 mm

Cement Spatula



26.130.01

4.5 mm

26.130.02

6.0 mm

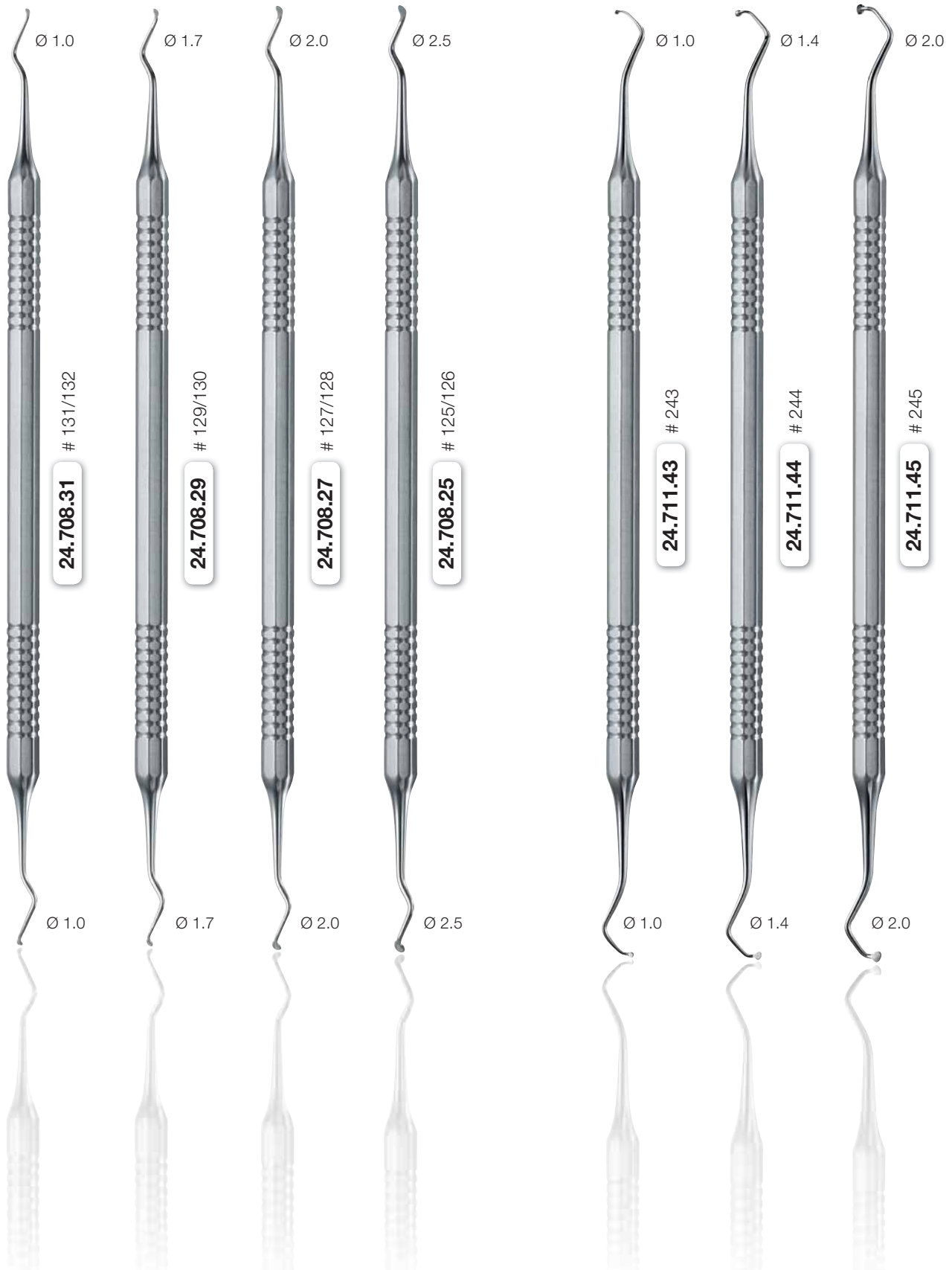
26.130.03

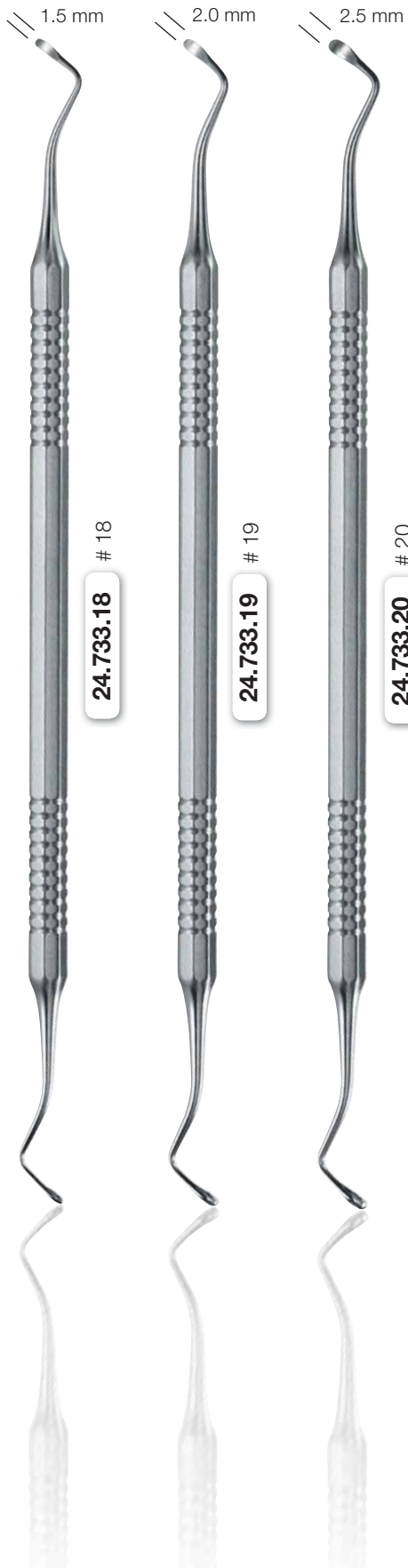
8.0 mm

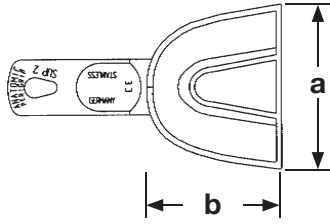


Excavators

Excavators in different angles to remove softened dentine during cavity preparation.







Anatomic Ehricke for Upper Jaw

The choice of the impression tray and the impression technique will influence the final result significantly.

If polyethers are used, we are recommending non-perforated impression trays.

Regulars (BO)



28.631.00

a = 55 mm,
b = 39 mm,
SUP B0

28.631.01

a = 65 mm,
b = 52 mm,
SUP B1

28.631.02

a = 71 mm,
b = 60 mm,
SUP B2

28.631.03

a = 73 mm,
b = 63 mm,
SUP B3

28.631.04

a = 80 mm,
b = 73 mm,
SUP B4

Edentulous (UO)



28.634.01

a = 65 mm,
b = 56 mm,
SUP U1

28.634.02

a = 68 mm,
b = 61 mm,
SUP U2

28.634.03

a = 72 mm,
b = 65 mm,
SUP U3

Partials, depressed centers (PO)



28.632.01

a = 62 mm,
b = 51 mm,
SUP P1

28.632.02

a = 72 mm,
b = 54 mm,
SUP P2

28.632.03

a = 73 mm,
b = 60 mm,
SUP P3

Functional impressions (FO)



28.633.01

a = 61 mm,
b = 50 mm,
SUP F1

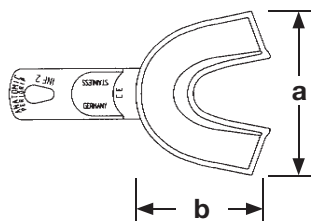
28.633.02

a = 67 mm,
b = 55 mm,
SUP F2

28.633.03

a = 77 mm,
b = 63 mm,
SUP F3





Anatomic Ehrlicke for Lower Jaw

The choice of the impression tray and the impression technique will influence the final result significantly.

If polyethers are used, we are recommending non-perforated impression trays.

Regulars (BU)



28.636.00

a = 61 mm,
b = 44 mm,
INF B0

28.636.01

a = 72 mm,
b = 51 mm,
INF B1

28.636.02

a = 78 mm,
b = 54 mm,
INF B2

28.636.03

a = 82 mm,
b = 58 mm,
INF B3

28.636.04

a = 83 mm,
b = 65 mm,
INF B4

Edentulous (UU)



28.638.01

a = 71 mm,
b = 58 mm,
INF U1

28.638.02

a = 70 mm,
b = 58 mm,
INF U2

28.638.03

a = 74 mm,
b = 59 mm,
INF U3

Partials, depressed centers (PU)



28.637.01

a = 64 mm,
b = 53 mm,
INF P1

28.637.02

a = 71 mm,
b = 59 mm,
INF P2

28.637.03

a = 80 mm,
b = 59 mm,
INF P3

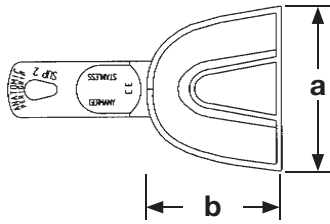


Modeling Knife for Impressions

Silicone Knife with cutting loop.



28.121.00



Perforated Anatomic Ehricke for Upper Jaw

A-Silicone putties can be applied in perforated impression trays, as the perforation intensifies the rotation of the material in the impression tray.

Regulars (BO)



28.601.00

a = 55 mm,
b = 39 mm,
SUP B0

28.601.01

a = 65 mm,
b = 52 mm,
SUP B1

28.601.02

a = 71 mm,
b = 60 mm,
SUP B2

28.601.03

a = 73 mm,
b = 63 mm,
SUP B3

28.601.04

a = 80 mm,
b = 73 mm,
SUP B4

Edentulous (UO)



28.604.01

a = 65 mm,
b = 56 mm,
SUP U1

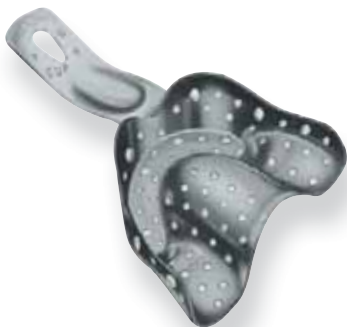
28.604.02

a = 68 mm,
b = 61 mm,
SUP U2

28.604.03

a = 72 mm,
b = 65 mm,
SUP U3

Partials, depressed centers (PO)



28.602.01

a = 62 mm,
b = 51 mm,
SUP P1

28.602.02

a = 72 mm,
b = 54 mm,
SUP P2

28.602.03

a = 73 mm,
b = 60 mm,
SUP P3

Functional impressions (FO)



28.603.01

a = 61 mm,
b = 50 mm,
SUP F1

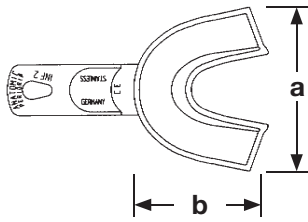
28.603.02

a = 67 mm,
b = 55 mm,
SUP F2

28.603.03

a = 77 mm,
b = 63 mm,
SUP F3





Perforated Anatomic EHRICKE for Lower Jaw

A-Silicone putties can be applied in perforated impression trays, as the perforation intensifies the rotation of the material in the impression tray.

Regulars (BU)



28.606.00

a = 61 mm,
b = 44 mm,
INFB0

28.606.01

a = 72 mm,
b = 51 mm,
INFB1

28.606.02

a = 78 mm,
b = 54 mm,
INFB2

28.606.03

a = 82 mm,
b = 58 mm,
INFB3

28.606.04

a = 83 mm,
b = 65 mm,
INFB4

Edentulous (UU)



28.608.01

a = 71 mm,
b = 58 mm,
INFU1

28.608.02

a = 70 mm,
b = 58 mm,
INFU2

28.608.03

a = 74 mm,
b = 59 mm,
INFU3

Partials, depressed centers (PU)



28.607.01

a = 64 mm,
b = 53 mm,
INFP1

28.607.02

a = 71 mm,
b = 59 mm,
INFP2

28.607.03

a = 80 mm,
b = 59 mm,
INFP3



Impression Trays for Implantology acc. to Helfgen

- simple handling
- open and closed implant impression
- putty-wash impression possible
- precision enhancement
- also universally usable in case of special indications
- only one impression session required
- sterilizable
- different sizes
- time and cost efficient



Upper Jaw

28.640.01

SUP 1

28.640.02

SUP 2

28.640.03

SUP 3

28.640.04

SUP 4



Functionality of the Impression Trays for Implantology acc. to Helfgen



1. In the area of the prepared teeth, retraction cords are placed. Smooth, retention free screws are twisted into the implants.



2. On its lateral sides the covered tray is coated with adhesive. Then the tray is charged with putty material.



3. For the primary impression, the charged tray will be pressed until the cover rests on the smooth implant screws.



4. After the removal of the primary impression, the smooth screws will be exchanged for the complete impression posts.



Lower Jaw

28.645.01

INF 1

28.645.02

INF 2

28.645.03

INF 3

28.645.04

INF 4



28.640.10

Perforator



5. The tray cover is removed and the impressed screw channel is extended with the perforator.



6. For undisturbed repositioning, the perforated channel may be extended further using a super-coarse mill.



7. After the impression areas have been surrounded by lighth-body material, the repositioned impression may be filled additionally via the perforations of the cap channels, if required.



8. Once the material has cured, the positioning screws are loosened, and the finished impression can be removed.

04 ⁰⁴⁻¹⁸ Conservation

+49 (0) 74 64 / 98 88 0

Impression Tray for Partial Impressions

28.663.02

L2, A = 50 mm

28.664.02

R2, A = 50 mm

28.663.03

L3, A = 55 mm

28.664.03

R3, A = 55 mm

28.661.01

L1, A = 46 mm

28.662.01

R1, A = 46 mm

28.661.02

L2, A = 50 mm

28.662.02

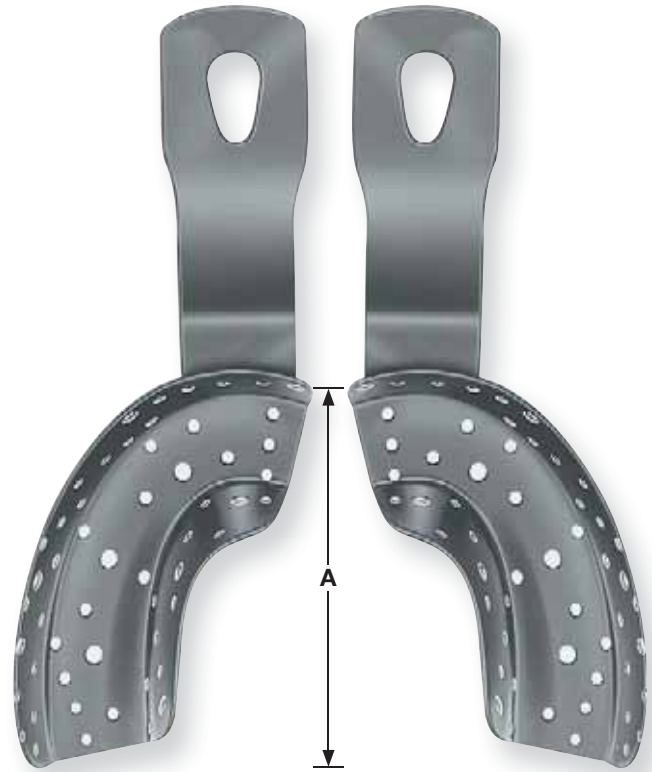
R2, A = 50 mm

28.661.03

L3, A = 55 mm

28.662.03

R3, A = 55 mm



Stolley with screw

28.671.00

perforated

28.672.00

non-perforated



Stolley with bolt

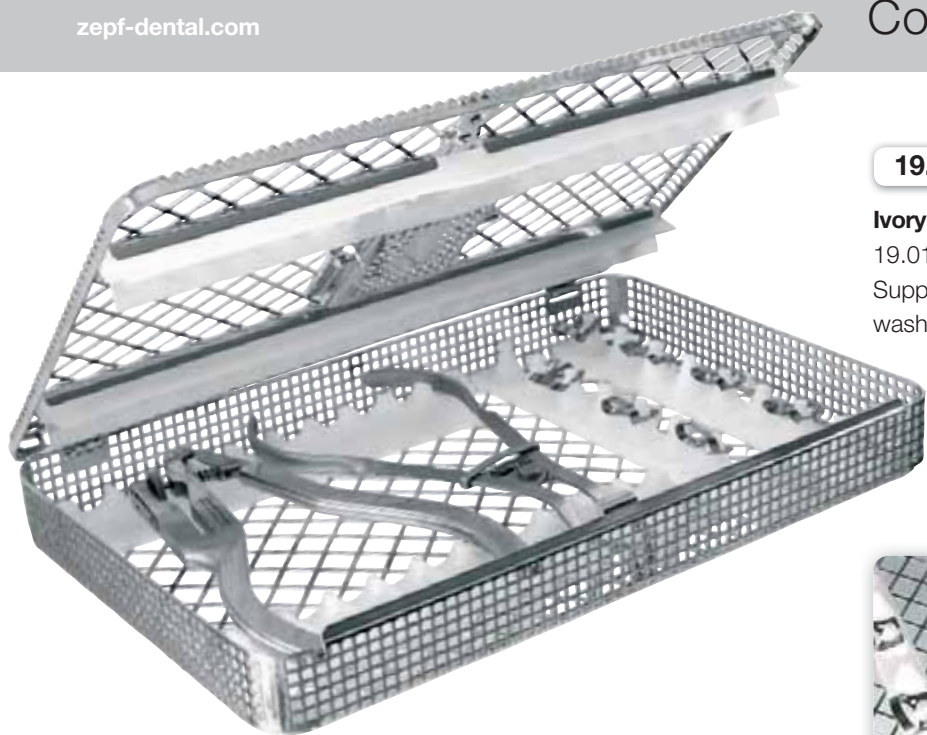
28.681.00

perforated

28.682.00

non-perforated





19.015.50

Ivory Rubber Dam Set consisting of: 19.015.00, 19.037.01, Teflon Instrument Support for 16 Rubber Dam Clamps, washtray 1/1



19.125.00

Rubber Dam Frame, size M, approx. 10 cm x 9.5 cm



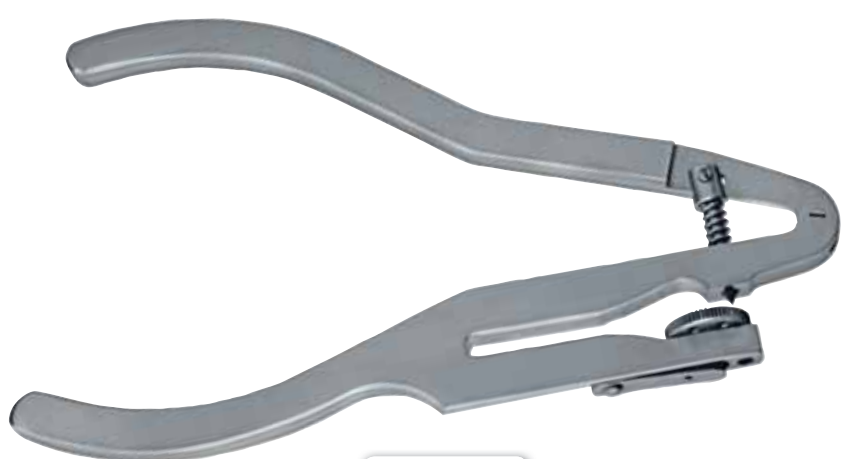
19.037.01

Ivory Rubber Dam Forceps, jaw width 30 mm, twisted handle



19.010.00

Ainsworth, Rubber Dam Punch Forceps, stainless steel



19.015.00

Ivory, Rubber Dam Punch Forceps, 17 cm, punch disc with 6 holes, stainless steel

04⁰⁴⁻²⁰ Conservation

+49 (0) 74 64 / 98 88 0

Brush Holder DBGM

Its most important features...

Our **ZEPF** Brush Holder is used for applying liquid treatment agents (enamel or dentine adhesion agents, acids, lacquers, or fluoridation agents) to dental surfaces or cavities.



1 Reverse-angle instrument



2 Back-action-instrument



3 Straight instrument



19.199.00

Brush Holder

Its features at a glance

- Includes a dual brush receptacle and an original **ZEPF** lamed handle.
- Suitable for all types of use on both upper and lower jaws and on all dental surfaces and cavities.
- Eliminates all need for using plastic applicators (reduces waste).
- May be disinfected and sterilized by using any standard procedure.
- Virtually unlimited service life.
- Designed for optimal ergonomics and general-purpose use.
- Accepts any standard disposable brush insert.
- Used in all areas of dentistry, especially adhesive restoration work.



Separation Forceps pat. pend. by Dr. Peter Müller, Ebersbach

Their benefits...

- Innovative, functional design.
- Rapid, safe, efficient spreading.
- Adjustable rest allows supporting them on teeth.
- Good access to interdental spaces during spreading.
- For general-purpose use on upper or lower jaws.
- Substantial time savings.
- Secure, one-handed control.
- For right-handed and left-handed persons.
- Desinfectable and sterilizable by using any standard procedure.



The adjustable rest may also be used to support the teeth at locations remote from the intervention point.



Spread the teeth and insert a matrix into the interdental space.



19.099.00

Separation Forceps



04 ⁰⁴⁻²² Conservation

+49 (0) 74 64 / 98 88 0

Tofflemire Matrix Retainer

Manufactured from stainless steel.



19.060.00 Universal



19.063.01 Junior 1, straight



19.062.00 Senior

Tofflemire Matrix Bands for 19.060.00

Manufactured from top-quality, 0.035 mm gauge, stainless steel, packaging unit: 12 ea. of each size.



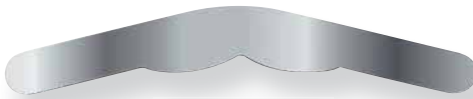
19.061.01

1



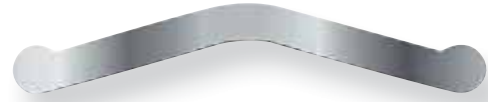
19.061.03

3



19.061.02

2



19.061.13

13

Articulating Paper Forceps



22.101.15



22.100.15 Miller, straight



22.101.15 Miller, curved

ZEPF Easy Matrix Setter

by Dr. A. Schmidt, Oberndorf, DBGM

Forceps for Placing Partial Matrix

Problem: There are many different suppliers for partial matrix systems. These matrixes are special, largely stainless metal bands which can be widened punctually.

Therefore they allow:

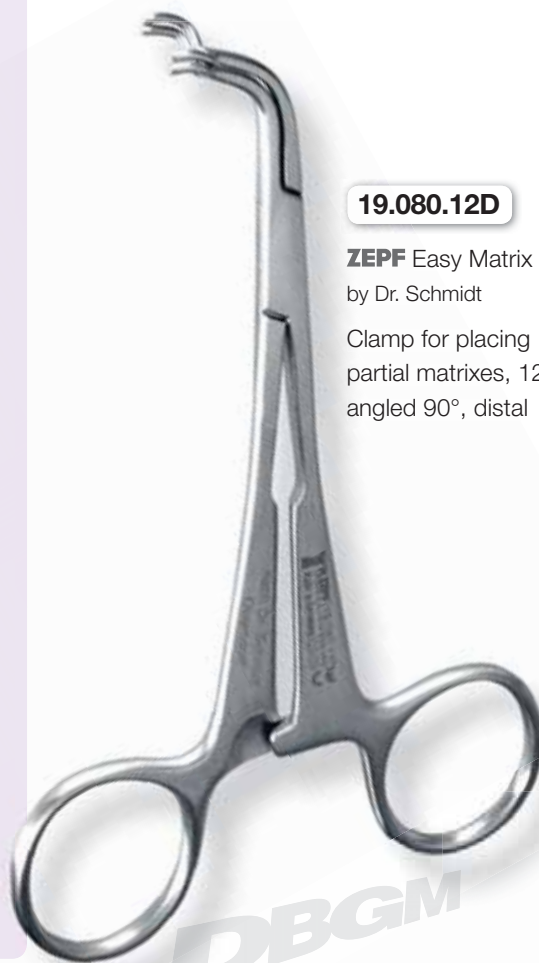
- the anatomically correct reconstruction of the outer tooth shape (convexity)
- the strainless resting of the band against the neighbouring tooth in order to achieve the correct contact point

When teeth are very close together, the matrix is often damaged when applied from occlusal because up to now there has not been an instrument on the market for the secure applying of matrixes. For this purpose Dr. A. Schmidt (Oberndorf) and **HELMUT ZEPF** developed mesial and distal applicators.



The instruments have a modified jaw to fit matrix shape, like this a secure gripping and applying of the matrix is possible without damaging them.

For this purpose the matrix is fixed in the forceps at both ends. Because of the secure fixing the inserting from occlusal is possible without bending the matrix especially when the teeth are close together.



19.080.12D

ZEPF Easy Matrix Setter
by Dr. Schmidt

Clamp for placing partial matrixes, 12 cm, angled 90°, distal



19.080.12M

ZEPF Easy Matrix Setter
by Dr. Schmidt

Clamp for placing partial matrixes, 12 cm, angled 90°, mesial



19.080.12

Set, ZEPF Easy Matrix Setter
by Dr. Schmidt

Clamp Set consisting of:

19.080.12D and **19.080.12M**



Universal Finishing Clamp "Work smart not hard"



The **ZEPF** Finishing Clamp is an innovative holding instrument for finishing strips of all kinds. The instrument has been designed with ergonomics and functionality uppermost and contributes significantly to easing work involving finishing strips.

The treatment is pleasant for the patient because the tongue area is not restricted by the dentist's fingers and does not aggravate choking. Its main application is in the area of approximate composite fillings; apart from this the instrument is well suited for separation, the correction of filling surpluses in approximal area as well as the application of dental floss.



Fields of Application:

- 1) Completion of approximal composite fillings.
- 2) Separating by means of steel-carbon strips or diamond skived steel strips.
- 3) Correction of filling over-hangs in the approximal area.
- 4) Removal of matrix strips after laying fillings.
- 5) Clamping dental floss for interdental plaque removal, especially in difficult access spots in the lateral tooth area.
- 6) Clamping dental floss for removal of cement residues from the interdental area after cementing crowns / bridges.



23.120.12

ZEPF Finishing Clamp, QTY 2 pieces
DBGM by Dr. Peter Müller, Ebersbach

Universal Forceps & Universal Tweezers

No treatment unit should lack these Universal **HELMUT ZEPF** Pliers and Tweezers. They are used for securely grasping provisional plastic items, bridges, nerve instruments, impacted matrices, attaching inlays, setting interdental wedges, etc. Usable on both upper and lower teeth. Their TC-jaws provide a secure grip.



22.281.15TC Universal Tweezers, with TC insert, 15 cm



19.281.15TC All-Purpose Pliers, with TC insert, 14.5 cm

Peet Splinter Forceps



22.523.13 11.5 cm, diamond coated, **La Grange** curved

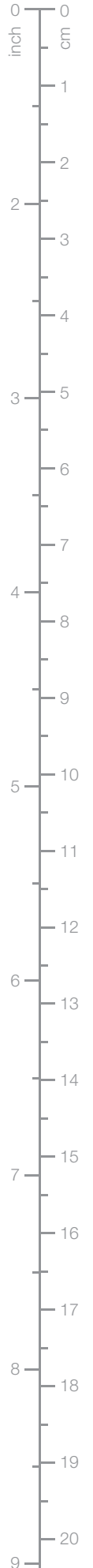


22.523.90D 11 cm, 90°, diamond coated, **La Grange** curved



04 ⁰⁴⁻²⁶ Conservation

+49 (0) 74 64 / 98 88 0



zepi-dental.com



MADE IN GERMANY

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

Scale



PATENTED

12.300.08

Benex[®] II Extractor
acc. to Dr. med., med. dent. Benno Syfrig



Extraktion System

Benex[®] II

acc. to Dr. med., med. dent. Benno Syfrig

Pursuing logically the quest of gentle extraction, **HELMUT ZEPF** Medizintechnik GmbH has developed a new, patented (Pat. No. CH 696 458) **Benex[®]** extraction system in close collaboration with Benno Syfrig Dr. med., med. dent from Switzerland. You will find further information, application examples and the **Benex[®]** user forum at:

www.benex-dent.com



Picture 1
Longitudinal extraction with **Benex II** step by step:
Pivot tooth extracted due to root fracture



Picture 2
Longitudinal extraction with **Benex II** step by step:
Axial removal



Picture 3
Longitudinal extraction with **Benex II** step by step:
Soft and hard tissues preserved



Picture 4
Longitudinal extraction with **Benex II** step by step:
Soft tissue,
12 weeks after extraction

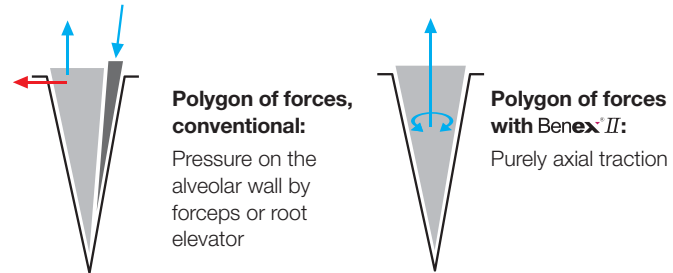


Picture 5
Longitudinal extraction with **Benex II** step by step:
Alveolar ridge,
12 weeks after extraction

Extraction System

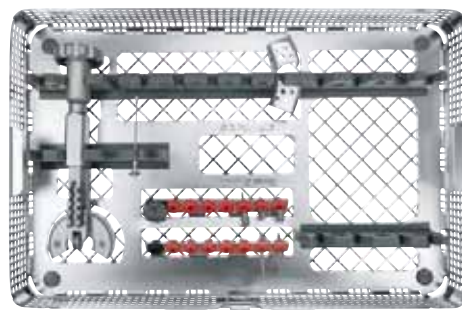
Benex II

acc. to Dr. med., med. dent. Benno Syfrig



In modern dental treatment, implantology following extraction is increasingly favoured. Consistent with the principle of minimal invasion, conserving soft and hard tissue structures is a must. Starting with extraction. The modified **Benex II** guarantees a gentle and simple extraction of roots in the whole mouth. It is nearly impossible to harm the soft tissue and the surrounding bone. Due to the longitudinal extraction, **Benex II** is an optimal basis for direct implantation. It is also a valuable help for retarded implantation after the extraction with the **Benex II** system. Studies made after the use of **Benex II** prove that the reossification of the extraction alveole is advancing optimally. This is a great advantage for the retarded implantation.

The new **Benex II** is now available in a washtray complying with the RKI guidelines. That way, the requirements of optimal cleanability and sterilization were taken into account. You will find further information, application examples and the **Benex** user forum at: www.benex-dent.com



12.302.00 **Benex II** Extraction System



12.303.00 **Benex II** Basic Kit



Alveolar Ridge Preservation with **Benex® II**

What does it mean?

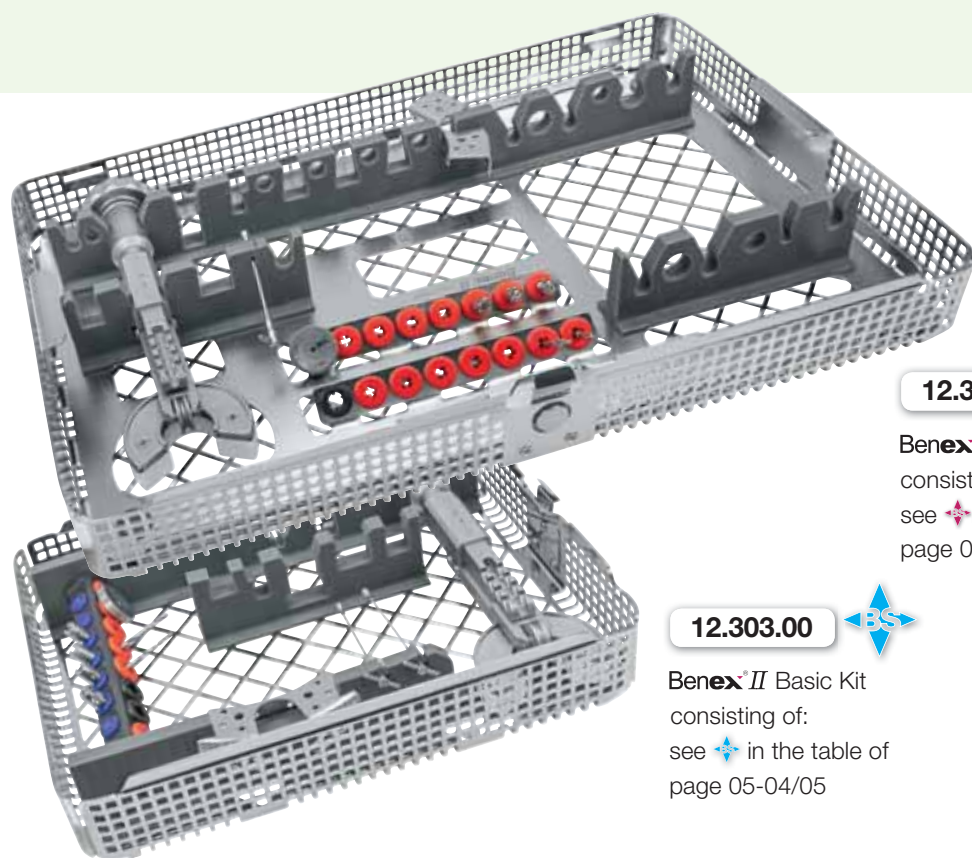
Alveolar Ridge Preservation means the treatment of the dental alveole after extraction. 3 months after the **Benex®** extraction you find a considerably better ridge relation than with conventional gentle extractions.

The **Benex®** finds its successful application in both, private practices and universities. The **Benex®** has achieved an excellent status worldwide as basis for a subsequently successful implantation.

The new support for the dismantled **Benex®** System in a washtray guarantees an optimal cleanability of **Benex®** in a washing machine or in an ultrasonic bath. All components can be fixed safely in the support.


Upon cleaning, the system can be sterilized in assembled condition.

In addition to the **Benex®** components, an optional periostome, an Xtool and an optional **Benex®** Pole Extractor can be placed in the support.




12.302.00



Benex® II Extraction System
consisting of:
see  in the table of
page 05-04/05

12.303.00



Benex® II Basic Kit
consisting of:
see  in the table of
page 05-04/05

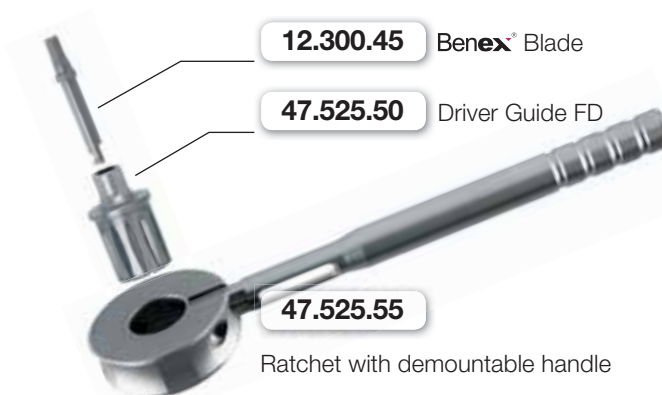


Optional Instrumentary



12.300.11

Benex® Pole Extractor



12.300.45

Benex® Blade

47.525.50

Driver Guide FD

47.525.55

Ratchet with demountable handle



Illustration	Article Description	Order Quantity
	<p>12.303.00</p> <p>Benex[®] II Basic Kit consisting of: Extractor, Pullrope 48 mm, Driver Guide, Screw short 1.6 mm + 2.1 mm, Screw long 1.6 mm + 2.1 mm, 1 Drill ea. for 1.6 mm + 2.1 mm Screws, Quadrant Support, 85.194.00 Washtray with Lid</p>	<p>1 piece</p>
	<p>85.194.10</p> <p>Washtray 1/2 with Lid and Press Button Lock</p>	<p>1 piece</p>
	<p>12.302.00</p> <p>Benex[®] II Extraction System consisting of: Benex[®] II Extractor, Pullrope 48 mm, Driver Guide, Screw short 1.6 mm + 2.1 mm, Screw long 1.6 mm, 1 Drill ea. for 1.6 mm, 2.1 mm Screws, Quadrant Support, 85.185.00 Washtray with Lid, 12.302.01 Tray / Rack for Benex[®] II</p>	<p>1 piece</p>
	<p>12.302.01</p> <p>Benex[®] II Tray / Rack</p>	<p>1 piece</p>
	<p>85.195.00</p> <p>Washtray 1/1 with Lid</p>	<p>1 piece</p>
	<p>12.300.08</p> <p>Benex[®] II Extractor</p>	<p>1 piece</p>
	<p>12.300.15</p> <p>Replacement Support Disc, 8 mm (PTFE)</p>	<p>1 piece</p>
	<p>12.300.17</p> <p>Support Disc, diagonally left</p>	<p>1 piece</p>
	<p>12.300.16</p> <p>Support Disc, diagonally right</p>	<p>1 piece</p>
	<p>12.300.20</p> <p>Pullrope, 48 mm</p>	<p>2 pieces</p>

Illustration	Article Description	Order Quantity
	<p>12.300.30</p> <p>Diamond coated Drill for Screws Ø 1.6 mm 12.300.60 and 12.300.70</p>	<p>2 pieces (1  )</p>
	<p>12.300.35</p> <p>Diamond coated Drill for Screws Ø 2.1 mm 12.300.65 and 12.300.75</p>	<p>2 pieces (1  )</p>
	<p>12.300.47</p> <p>Driver Guide, short</p>	<p>1 piece</p>
	<p>12.300.60</p> <p>Screw, Ø 1.6 mm, 10 mm, S = Short</p>	<p>2 pieces (1  )</p>
	<p>12.300.65</p> <p>Screw, Ø 2.1 mm, 10 mm, SF = Short & Fat</p>	<p>2 pieces (1  )</p>
	<p>12.300.70</p> <p>Screw, Ø 1.6 mm, 16 mm, L = Long</p>	<p>2 pieces (1  )</p>
	<p>12.300.75</p> <p>Screw, Ø 2.1 mm, 16 mm, LF = Long & Fat</p>	<p>2 pieces (1  )</p>
	<p>12.300.80</p> <p>Quadrant Support for Benex to bridgeover bigger gaps and for the universal molding</p>	<p>1 piece</p>
	<p>12.300.11</p> <p>Benex Pole Extractor, optional</p>	<p>1 piece</p>
	<p>47.525.55</p> <p>Ratchet with demountable handle, optional</p>	<p>1 piece</p>
	<p>47.525.50</p> <p>Driver Guide FD, optional</p>	<p>1 piece</p>
	<p>12.300.45</p> <p>Benex Blade for Driver Guide FD, optional</p>	<p>1 piece</p>





Application of the Extraction System

1. Anaesthesia. Cutting periodontal fibres (Sharpey fibres) in the sulcus by using the Periotope or the **HELMUT ZEPF Xiod**.

2. Strong, large roots must be loosened / luxated by axial movements within 30 sec., using a slim elevator / twister (**Xiod** from **HELMUT ZEPF**). Without using transversal movements. In case of multi-rooted teeth, the roots are divided and extracted separately.

3. Drilling with the diamond coated twist drill should be in the axis and center of the root fragment. It should be approx. 7 mm in the hard tissue, deeper drilling will not be necessary. Drilling is performed with water-cooling. In order to remove drilling chips more easily, an inward and outward movement is recommended for deep drilling.

Recommended rpm:

500 - 700 rpm

REF 12.300.30 max. 3000 rpm

REF 12.300.35 max. 2200 rpm

4. According to circumstances, the short or long extraction screw with screwing support **REF 12.300.47** is inserted.

5. The extractor is positioned on the adjacent crowns: The opening of the round, revolvable segment plate is adjusted in vestibular direction ensuring a good view of the extraction screw. After the pullrope has been hooked into the extraction screw, it is guided over the reverse roller and fixed to the hook of the extraction slide. Under slight traction – so that the rope does not hang out – the instrument is placed on the adjacent teeth by turning the hand screw. During positioning it is important to see that both the screw and the rope do have the same axial direction.

6. Once the extractor is positioned properly, the extraction is carried out by turning the hand screw. In case of strong, long roots the periodontal fibres have to be pre-stretched during 30 seconds by applying a sub-maximum traction.





ZEPF *Xcision*
Dr. Maty Design

The exclusive design and 25% reduced weight make the **ZEPF Xcision**-Instrument-Line light as a feather.

The ergonomic handle design enables uniform power transmission during pressing, pulling and rotary movements and is equally suited for both right handed as well as left handed practitioners. The unique tip design adapts exactly to the tooth and is beyond comparison to other instruments.

The smooth handle with circular openings makes the **ZEPF Xcision**-Instrument-Line extraordinarily easy to be cleaned since there are no more hygiene-critical zones as with serrated handled instruments.

The optimum handling and tactual sensation is guaranteed.

From design to functionality, this product line answers all your concerns.

The **ZEPF Xcision** Handle is a registered model of **HELMUT ZEPF**, which has been developed with Dr. Maty.



Extracting Forceps

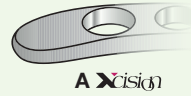


Patterns

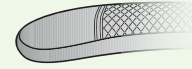
All figures from **HELMUT ZEPF**

are available in the following patterns:

A = **X**cision and **S** = Standard English Pattern



A Xcision



S Standard

Standard Pattern

Our Standard **HELMUT ZEPF** Extraction Pliers combine highly refined, proven technology with modern design and provide superior performance/price ratios over their entire service lives.

Diamond-Coating

All extracting forceps are available with diamond-coating for better grip. For ordering etc. just add to the item number the letter **D**.



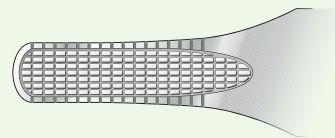
Teflon Disc

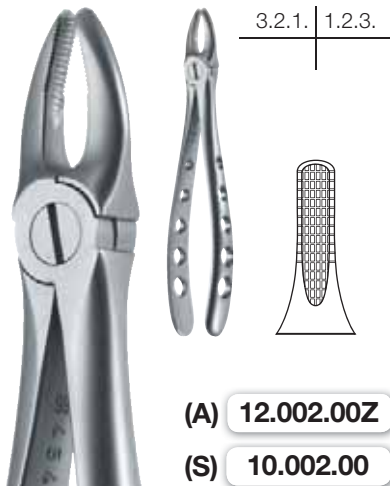
The wear-resistant Teflon Disc eliminates wear and tear in the joints and provides a light action at all times.



Grooved Gripping Surfaces

Grooved gripping surfaces provide a secure grip and prevent slipping.





2

(A) 12.002.00Z

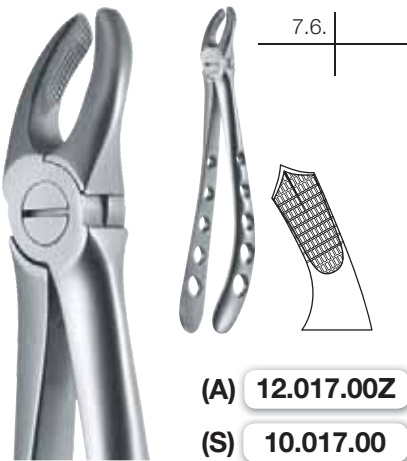
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7

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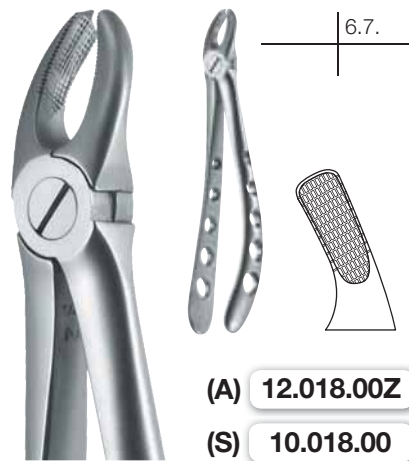
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17

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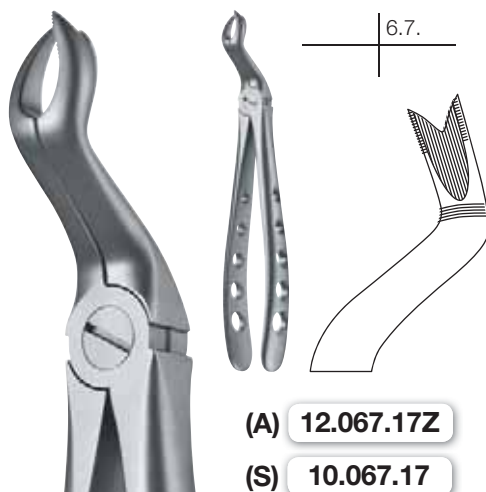
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18

(A) 12.018.00Z

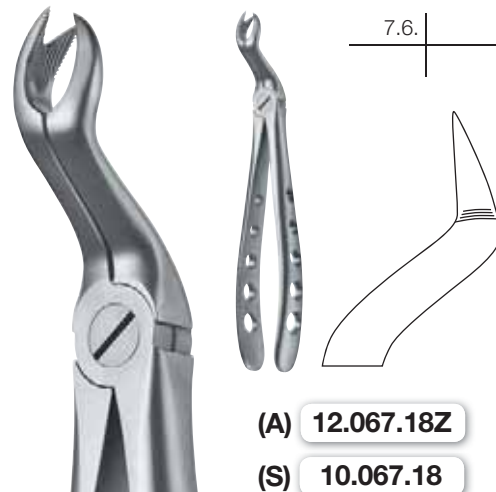
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67LX

(A) 12.067.17Z

(S) 10.067.17



67RX

(A) 12.067.18Z

(S) 10.067.18

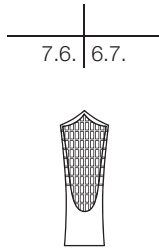


05 ⁰⁵⁻¹⁰ Extraction

+49 (0) 74 64 / 98 88 0



73A



(A) 12.073.01Z

(S) 10.073.01



33A



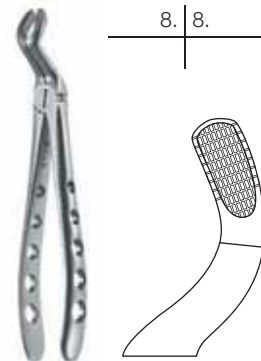
(A) 12.033.01Z

(S) 10.033.01

The slim, compact design of these **ZEPP Xcision** Extraction Forceps allows easy accessing molar areas, even when mouth openings are restricted.



67A



(A) 12.067.01Z

(S) 10.067.01



51A

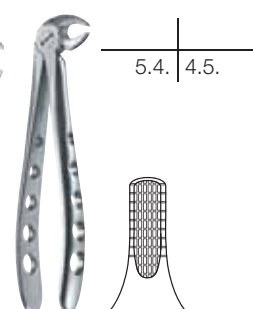


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(S) 10.051.01



13



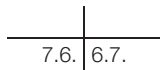
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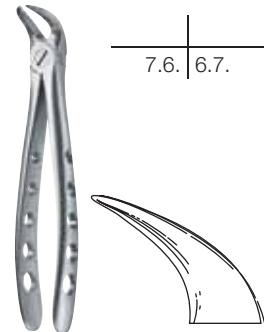
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- (A) 12.022.00Z**
- (S) 10.022.00**



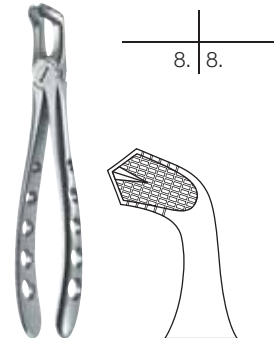
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- (A) 12.087.00Z**
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79



- (A) 12.079.00Z**
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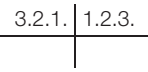


05 05-12 Extraction

+49 (0) 74 64 / 98 88 0



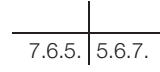
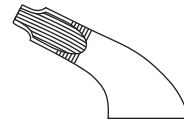
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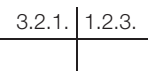
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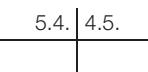
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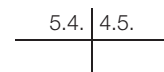
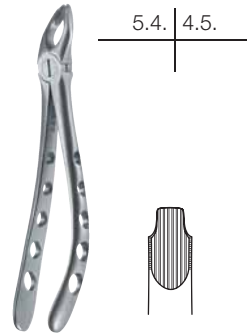
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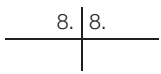
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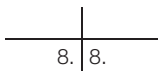
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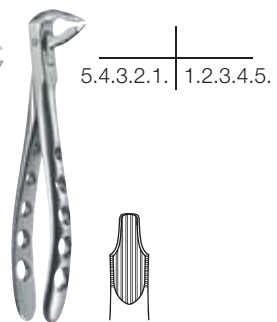
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79
(A) 12.079.95Z



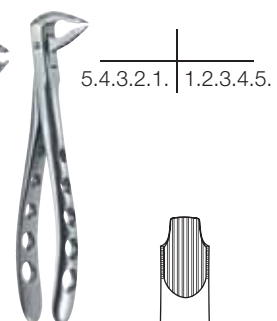
36



(A) 12.036.00Z



36A



(A) 12.036.01Z





Secure-Line

Our special **HELMUT ZEPF** Extracting Forceps in our modern **ZEPF Xision** Design have tapered jaw tips. Their fine, sharp tips which have been anatomically shaped to match perfectly the teeth and allow to reach deep and large contact areas, which in turn provides better mechanical advantages and a more secure grip. Since these special **HELMUT ZEPF** Extracting Forceps have been designed for performing luxations, they have longitudinal grooves only on their jaws' gripping surfaces. The ease of handling and superior "feel" of all our **ZEPF Xision** Lines of Extracting Forceps are particularly pronounced on these special forceps!



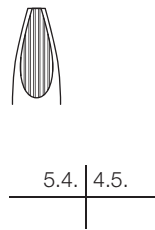
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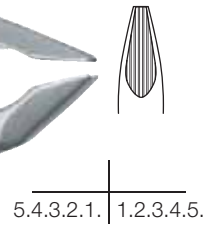
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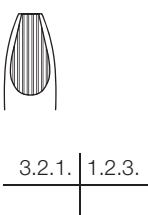
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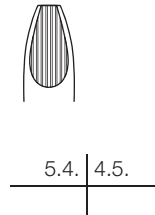
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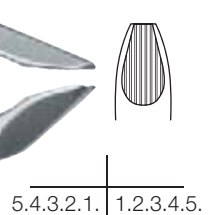
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36M

(A) 12.036.08Z

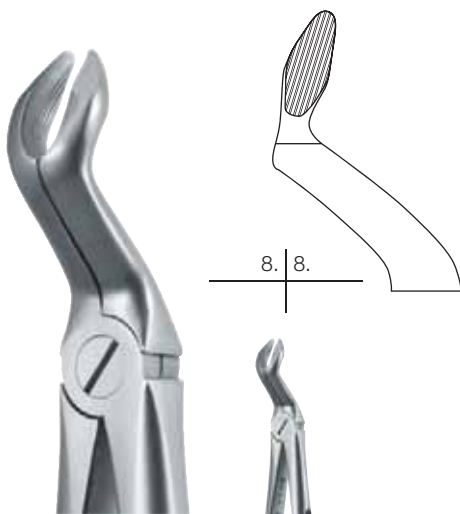
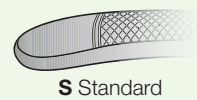
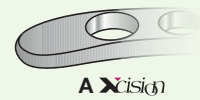


Rescue-Line

No reason to panic! These forceps will allow you to complete any extraction and work more efficiently even if complications arise. If teeth break during extraction, these are the tools you need to rapidly, safely, solve your problems.

These forceps have special all-purpose jaws designed to cover a broad range of applications and have sharp pointed tips that allow separating the tips of roots from surrounding tissues by lightly twisting them and then securely trapping the extracted roots in the gaps between their jaws.

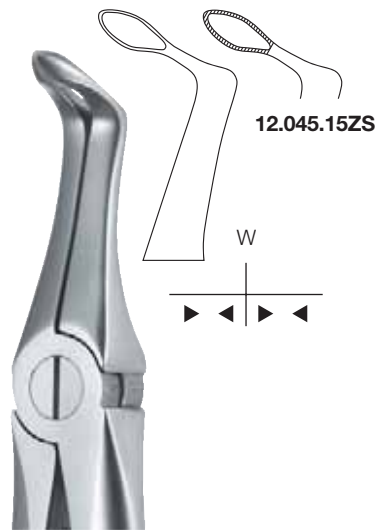
The article numbers of extracting forceps with serrated edges are amended by 'ZS'.
The article numbers of extracting forceps with serrated edges are amended by 'ZS'.



67A

(A) **12.067.90Z**

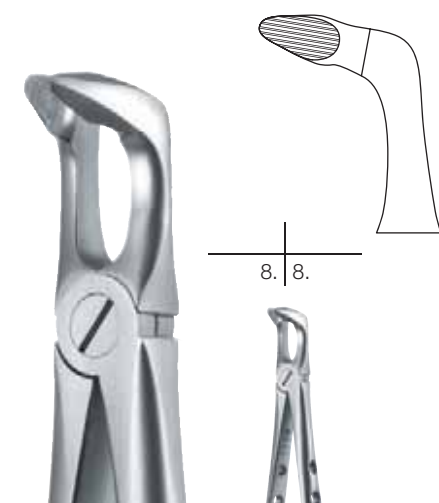
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45Z

(A) **12.045.15Z** **12.045.15ZS**

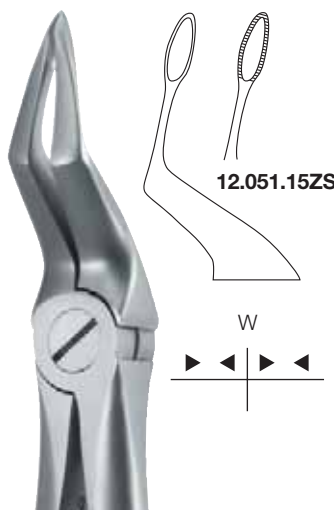
(S) **12.045.15**



79

(A) **12.079.90Z**

(S) **12.079.90**



51Z

(A) **12.051.15Z** **12.051.15ZS**

(S) **12.051.15**



44Z

(A) **12.044.15Z**





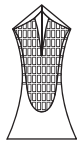
Axcision



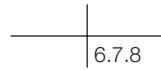
S Standard

Special Wisdom Routurier Extracting Forceps

Their offset design will allow you to reach around obstacles and protect the corners of patients' mouths whenever their mouth openings are restricted or their jaws have been firmly clamped in position. Their slim compact design allows readily accessing molar areas.



(A) 12.522.15Z # 22 1/2 L



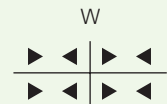
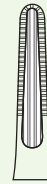
(A) 12.522.16Z # 22 1/2 R



Witzel All-Purpose Root-Splinter Forceps diamond-tipped

Our special forceps for extracting root splinters from both upper and lower gums have diamond-tipped jaws for the best possible grip, and are the ideal complement to our Rescue-Line.

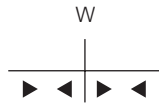
If their diamond tips should ever become worn, simply contact our retipping service, who will put new diamond tips on them for a fixed charge.



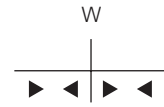
14.700.01



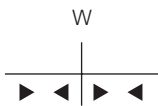
Root- and Splinter Forceps Sequester ZEPP Xcision-Design



(A) 14.700.10Z



(A) 14.701.10Z

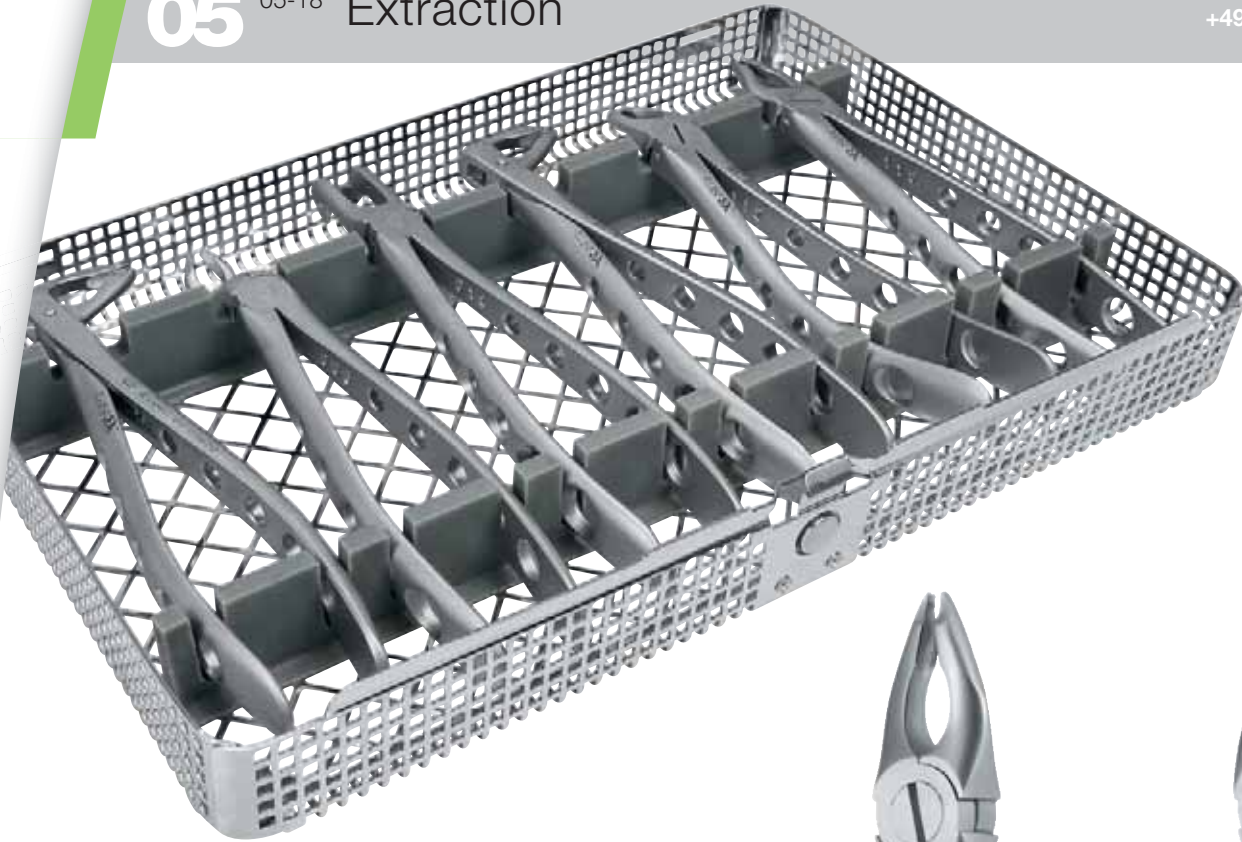


(A) 12.059.00Z



05 ⁰⁵⁻¹⁸ Extraction

+49 (0) 74 64 / 98 88 0



tu

The **ZEPF twist** Kit



12.701.00Z Complete Kit

The Kit consists of:



12.034.00Z

Twist Ex 1

Extracting Forceps for upper front teeth and incisors, deep-grip



12.035.00Z

Twist Ex 2

Extracting Forceps for upper premolars, deep-grip

vist



12.036.00Z

Twist Ex 3

Extracting Forceps for
lower front teeth,
deep-grip



12.036.01Z

Twist Ex 4

Extracting Forceps for
lower front teeth and
incisors, deep-grip



12.079.95Z

Twist Ex 5

Extracting Forceps for
lower molars,
deep-grip



12.067.95Z

Twist Ex 6

Extracting Forceps for
upper molars,
deep-grip



Extracting Forceps, American Pattern



Diamond Version

All forceps are also available in the diamond version. For ordering etc., just add a **D** to the article number



3.2.1. | 1.2.3.

1

Standard

14.001.00

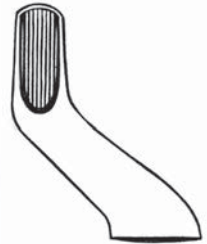


3.2.1. | 1.2.3.

1A

Henahan

14.001.01



7.6. | 6.7.

10S

14.010.09



7.6. |

18R

Harris

14.018.16



7.6. | 6.7.

23

14.023.00



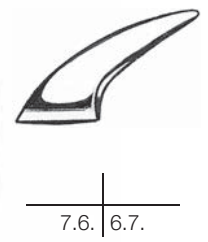
Extracting Forceps, American Pattern



17
Standard
14.017.00



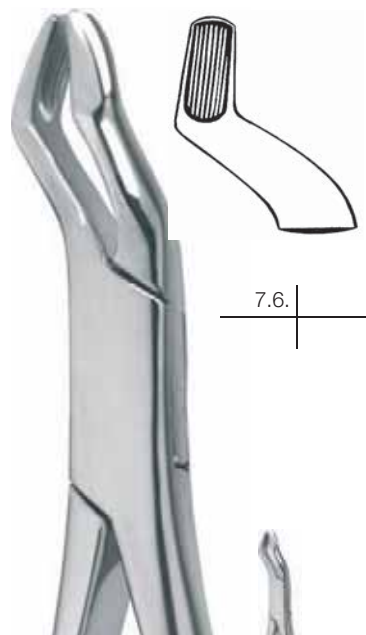
18L
Harris
14.018.15



16
14.016.00



53L
14.053.15



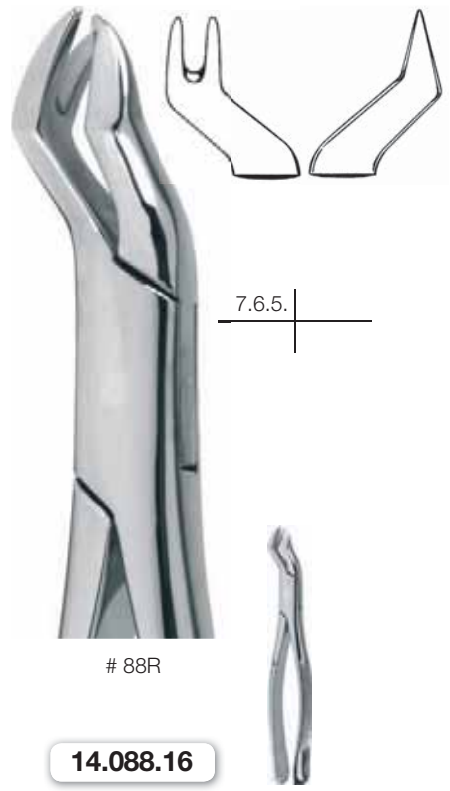
53R
14.053.16



Extracting Forceps, American Pattern



65
14.065.00



Extracting Forceps, American Pattern



5.4.3.2.1. | 1.2.3.4.5.



150
Cryer
14.150.00
14.150.00D



5.4.3.2.1. | 1.2.3.4.5.



150S
Cryer
14.150.05



5.4.3.2.1. | 1.2.3.4.5.



151
Cryer
14.151.00
14.151.00D



5.4.3.2.1. | 1.2.3.4.5.



151A
Cryer
14.151.01



5.4.3.2.1. | 1.2.3.4.5.



151S
Cryer
14.151.05



Extracting Forceps, American Pattern



8. | 8.

210S

14.210.05



7.6. | 6.7.

217

14.217.00



5.4.3.2.1. | 1.2.3.4.5.

150AB

14.150.10



5.4.3.2.1. | 1.2.3.4.5.

151AS

14.151.11



5.4.3.2.1. | 1.2.3.4.5.

150AS

14.150.11

Extracting Forceps, American Pattern



5.4.3.2.1. | 1.2.3.4.5.

10AS

14.010.11

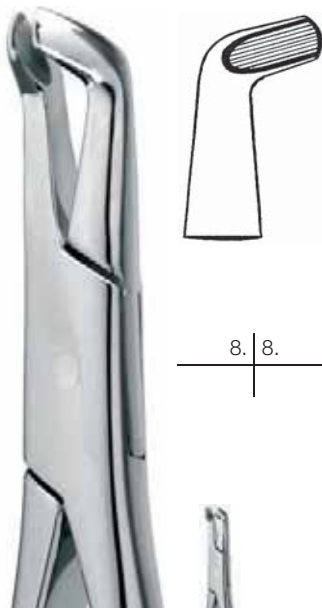


5.4.3.2.1. | 1.2.3.4.5.



151AB

14.151.10



8. | 8.

222

14.222.00



7.6.5.4. | 4.5.6.7.

222AS

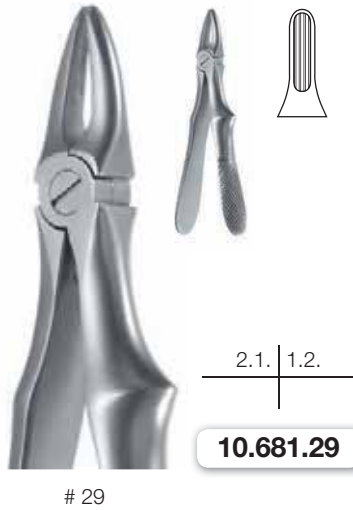
14.222.11



Pedodontic Extracting Forceps

These pedodontic extracting forceps have been designed to be as small as possible in order to avoid frightening younger patients with large, aggressive-looking instruments, thereby providing relaxed working conditions.

Further RoBa-Design Pedodontic Extracting Forceps are illustrated on page 05-32!



ZEPF **roba** EDITION PATENTED

onyx
DESIGN

ZEPF RoBa-Edition

by dentist Beck

Dedicated to the long-standing employees Mr. Horst Roos and Mr. Reinhold Bacher, who worked for Helmut Zepf for more than 50 years since their time as trainee.

The **ZEPF** RoBa-Edition completes the innovative advancement of the famous **ZEPF Xvision** Extracting Forceps. It has been developed under the aspects of a secure and gentle appliance.

The problem of tooth fractures during extraction is considerably reduced due to the innovative geometry of the beaks.

The new **ONYX** coating makes the impact-resistant surface of these extracting forceps almost indestructible.

Compared with other methods, in **ONYX** coating the carrier material is applied in a more gentle way, as **ONYX** coating in comparison to other coatings is performed with significantly less influence of heat.

The surface shows excellent sliding features to reliably counteract contamination. An incrustation of proteins etc. is not possible.

The matt-finished black surface not only prevents reflection of the OT light, but also guarantees an optimal contrast in the OR environment during extraction.

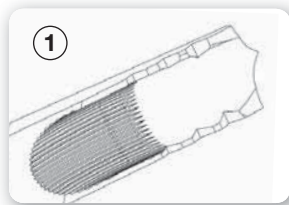


ZEPF
roba
EDITION
PATENTED

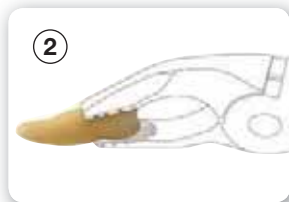
With the patented RoBa-Edition **HELMUT ZEPF** introduces a new generation of extracting forceps. Deduced from the **ZEPF Xisio** Instruments the RoBa-Edition has been especially developed in consideration of easy and gentle extraction.

The patented RoBa-Edition according to Dentist Beck is the consequential advancement of conventional extracting forceps with the advantages of the tapered deep-grip extracting forceps. The modified beaks according to Dentist Beck fit exactly on the teeth which ensures a maximum grip in the appliance. These new beaks are available for all figures in upper- and lower jaw (incisors, premolars, molars and wisdom teeth).

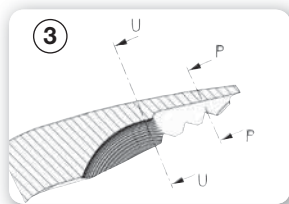
Due to the fact that all teeth show a convex crown contour (upper jaw: labial, buccal, palatal and in lower jaw: labial, buccal, lingual), the beaks have been developed under this anatomical actuality. The handle is a protected design from **HELMUT ZEPF**, which was developed in cooperation with Dr. Maty, Germany.



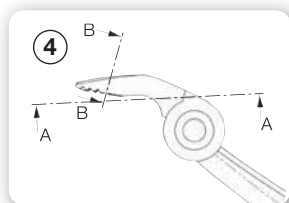
- ① The billow-grind claws radially into the teeth and avoids a “riding” in-between the tooth crown and the inner contour of the beak.



- ② Concavely elaborated inner contours of the forceps beak fit in the convex tooth contour. With deep grip in the alveolus on the neck of the tooth or on the crown, the RoBa Edition ensures a parallel and maximum grip in any situation. Root fracture almost can be excluded.



- ③ The different deeply elaborated inner contours ensure maximal adaptation on the teeth in different actualities. No tilting of the teeth while rotary and / or lifting movement.



- ④ Tapered outside contour of the beak affords deep grip even subgingival.



Black Finish Coating

Design meets functionality.

Users with highest demands will appreciate the elegant, black finish providing the instrument with a non-reflecting, extremely smooth and scratch-resistant surface. The article number is amended by **T1**.

1



12.234.07ZT1 (Scale 1:1) PATENTED



Diamond Version

All RoBa-Edition extracting forceps in the classic satin-metallic finished surface are available with diamond coating for a better grip.

The lower part of the ZEPF X-ision Handle is gold-plated. For ordering etc., just add a **D** to the article number.

2



12.234.07ZD (Scale 1:1) PATENTED



05 ⁰⁵⁻³⁰ Extraction

+49 (0) 74 64 / 98 88 0

RoBa Extracting Forceps



3.2.1. | 1.2.3.

12.234.07Z

12.234.07ZD

12.234.07ZTI



3.2.1. | 1.2.3.

12.234.08Z

12.234.08ZD

12.234.08ZTI



5.4. | 4.5.

12.235.07Z

12.235.07ZD

12.235.07ZTI



8. | 8.

12.279.90Z

12.279.90ZD

12.279.90ZTI



3.2.1. | 1.2.3.

12.236.07Z

12.236.07ZD

12.236.07ZTI



3.2.1. | 1.2.3.

12.236.08Z

12.236.08ZD

12.236.08ZTI



5.4. | 4.5.

12.213.00Z

12.213.00ZD

12.213.00ZTI



5.4 | 4.5.

12.235.08Z

12.235.08ZD

12.235.08ZTI



7.6.

12.217.00Z

12.217.00ZD

12.217.00ZTI



6.7.

12.218.00Z

12.218.00ZD

12.218.00ZTI



8. | 8.

12.267.01Z

12.267.01ZD

12.267.01ZTI



7.6. | 6.7.

12.222.00Z

12.222.00ZD

12.222.00ZTI



7.6. | 6.7.

12.221.90Z

12.221.90ZD

12.221.90ZTI



Rescue-Line

W

12.045.15ZS

12.045.15ZSTI



Rescue-Line

W

12.051.15ZS

12.051.15ZSTI



Children Forceps RoBa-Edition

Extracting Forceps modif. by Dentist Beck

These deciduous teeth extraction forceps have been designed to be as small as possible in order to avoid frightening younger patients with large, aggressive-looking instruments, thereby providing relaxed working conditions.

The patented Deciduous teeth RoBa-Edition Forceps according to Beck are the consequential advancement of conventional extracting forceps with the advantages of the tapered deep-grip extracting forceps. The modified beaks according to Beck fit exactly onto the teeth which ensures a maximum grip during the appliance.

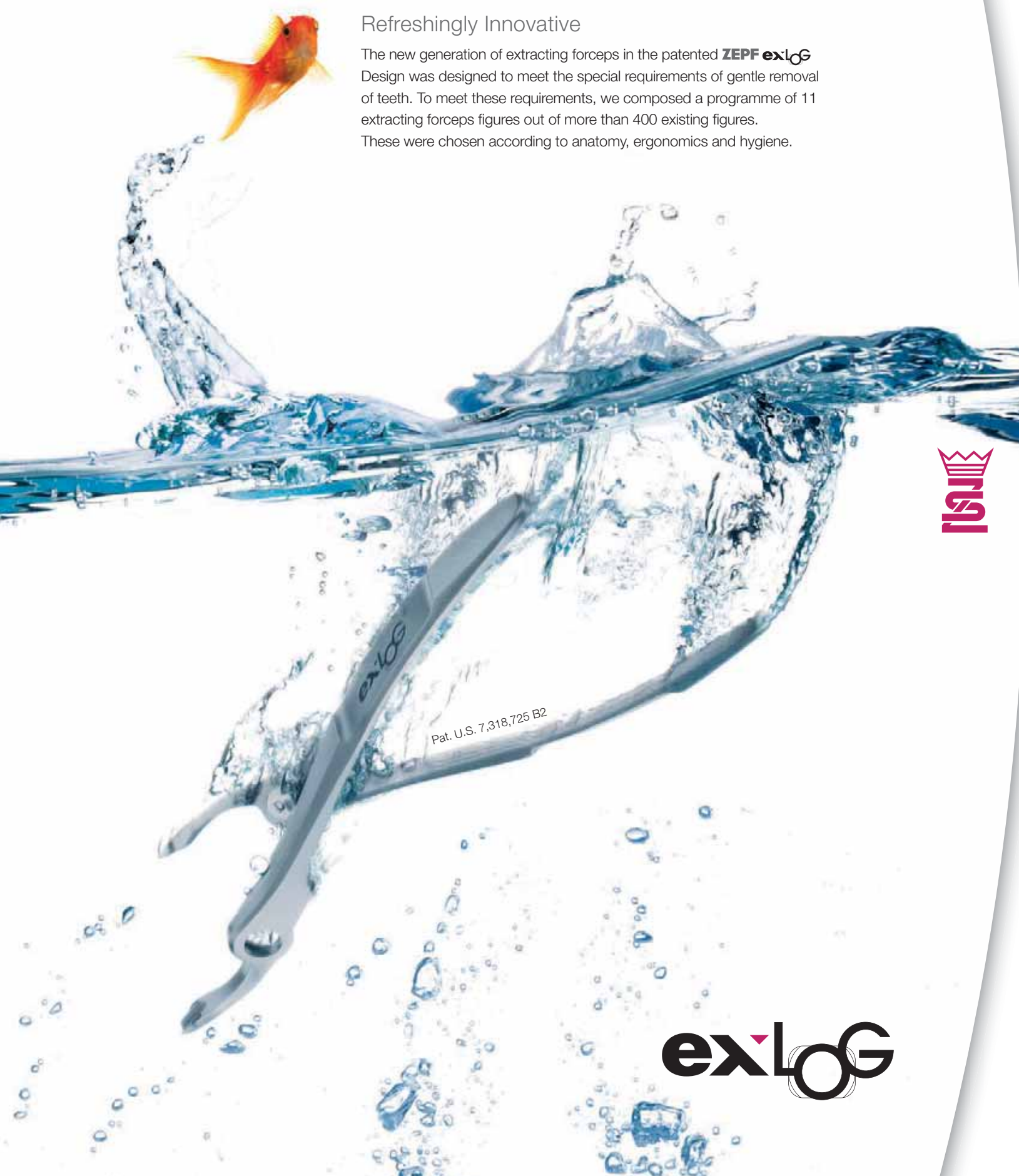
ZEPF
roba
EDITION
PATENTED



The wear-resistant Teflon® disc eliminates wear and tear in the joints and provides a light action at all times.

Refreshingly Innovative

The new generation of extracting forceps in the patented **ZEPF exLOG** Design was designed to meet the special requirements of gentle removal of teeth. To meet these requirements, we composed a programme of 11 extracting forceps figures out of more than 400 existing figures. These were chosen according to anatomy, ergonomics and hygiene.



Pat. U.S. 7,318,725 B2



exLOG

exLOG Extracting Forceps



34

3.2.1. | 1.2.3.
15.034.00



34A



3.2.1. | 1.2.3.
15.034.01



35



5.4. | 4.5.
15.035.00



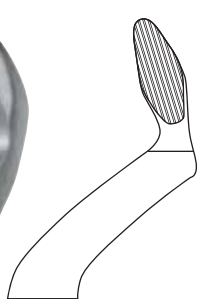
35A



5.4. | 4.5.
15.035.01



67A



8.7.6. | 6.7.8.
15.067.90

The **exLOG** Forceps offer an excellent anatomic fit and only need enough pressure so they do not slip out of the hand. The forceps guarantee a balanced axial luxation, better periodontal fibre dilatibility and increased sense of touch. They reduce traumata of surrounding tissue.

The assimilated handles allow an individual and equal power transmission for left- and right-handed surgeons during pressing, pulling and turning movements.

Due to the smooth handle areas and the demountability the **exLOG** Forceps can be cleaned extremely well. So there are no hygiene-critical areas any more like they are known from forceps with conventional lock. Especially with automatic conditioning in a washtray the demountability is a great advantage as they need less space.



36

36A

21N



79A

45

51



All Advantages on One View:

- excellent anatomic fit on the tooth surface
- tapered beaks for less traumata and protection of the alveolar locus
- linear serrated jaws for equal axial luxation
- better fibre dilatibility and increased sense of touch
- optimal cleaning through the demountability of the forceps into two parts (RKI-compliant)
- long lasting, patented, high precision joint for radial and axial mechanical load
- made out of one piece (5-axis CNC-milling) for ultra high precision
- no servicing of the joint necessary

Focus on the **exLOG**, the standard of tomorrow.



A NEW STANDARD IS DEFINED

exLOG

exLOG



ZEPF
roba
EDITION
PATENTED

ZEPF EXLOG RoBa Edition Extracting Forceps

The **exLOG** RoBa Edition from **ZEPF** is a new generation of “patented” extracting forceps in which two patents have been combined in one series of extracting forceps.

The EXLOG Forceps are featured by the patented dismountability, and the RoBa Forceps by patented beaks.

It made sense to combine the advantages of both patents, as this results in a type of forceps which can be cleaned as thoroughly as never before. And the main purpose: With these forceps, the practitioner is offered a functional extraction instrument that leaves no desires unfulfilled.

These patented forceps are the consequential advancement of conventional extracting forceps, featuring the advantages of the tapered deep-gripping extracting forceps. The modified beaks fit exactly on the teeth and assure a maximum grip during application.



05 ⁰⁵⁻³⁸ Extraction

+49 (0) 74 64 / 98 88 0

ZEPF EXLOG RoBa Edition Extracting Forceps



ZEPF **roba**
EDITION
PATENTED



3.2.1. | 1.2.3.

15.234.07

15.234.07D

34N



3.2.1. | 1.2.3.

15.234.08

15.234.08D

34M



5.4. | 4.5.

15.235.07

15.235.07D

35N



5.4. | 4.5.

15.235.08

15.235.08D

35M



7.6 |

15.217.00

15.217.00D

17



6.7 |

15.218.00

15.218.00D

18



8 | 8.

15.267.01

15.267.01D

67A



8 | 8.

15.279.90

15.279.90D

79A



3.2.1 | 1.2.3.

15.236.07

15.236.07D

36N



3.2.1 | 1.2.3.

15.236.08

15.236.08D

36M



5.4 | 4.5.

15.213.00

15.213.00D

13



7.6 | 6.7.

15.222.00

15.222.00D

22

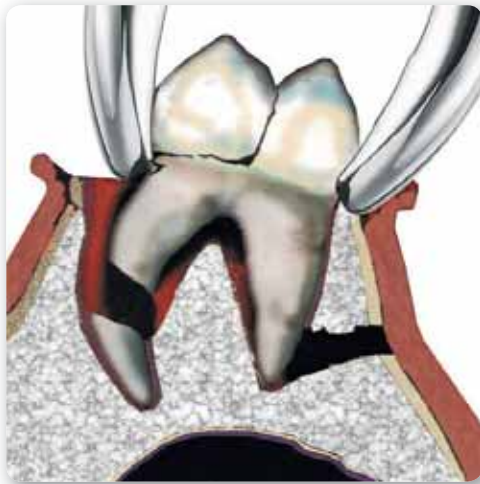




ZEPF EXLOG RoBa Edition Extracting Forceps

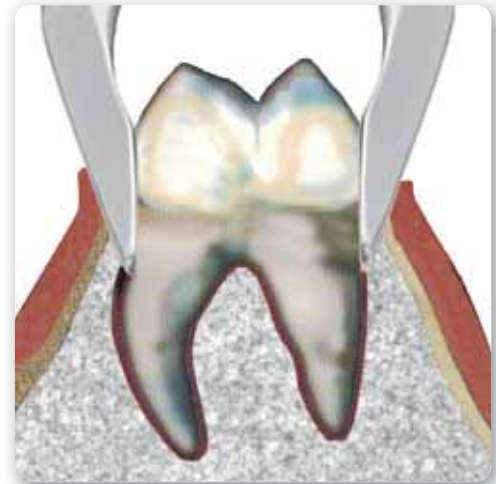
This new development concerns all figures of extracting forceps for the maxilla and the mandible (forceps for incisors, premolars, molars and wisdom teeth). As all teeth show a convex crown shape (in the maxilla: labial, buccal, palatal – in the mandible: labial, buccal, lingual), the beaks have been developed in consideration of these anatomical conditions.

- excellent anatomic fit on the tooth surface
- tapered beaks for less traumata and protection of the alveolar locus
- better fiber dilatibility and increased sense of touch
- optimal cleaning due to demountability of the forceps into two parts (RKI compliant)
- long-lasting, patented, high precision joint for radial and axial mechanical load
- made out of one piece (5-axis CNC milling) for ultra-high precision
- no servicing of the joint required



The following problems might occur if the extracting forceps do not fit:

- root fracture
- crown fracture
- damage to the soft tissues caused by bruise
- damage to the alveolar ridge and the buccal bone lamella



Advantages of deep-gripping extracting forceps:


- the inner contours of the sharpened beaks allow a safe subgingival placing (below the gingival margin)
- parallel contact to the root
- atraumatic, as the soft tissues are not bruised
- reduction of root fractures
- slim exterior design, allowing a subgingival placing without bruise of the soft tissues

 Instruments


DGBM by Dr. Detlef Hildebrand

THE ORIGINAL
THE ORIGINAL




In the illustrations an extraction under use of the  Instruments is shown.

IMPORTANT: Complete removal of all inflammable and connective tissue structures.


- 1 Initial loosening of the desmodontal fibres. Apply the X-Desmo-Tool first approximately then buccally and palatinally (pencil handle).
- 2 Then progressive luxation with the X-Luxa-Tool (first narrow then wide). Ideal positions: Approximal (mesial or distal) to the tooth which should be extracted!
- 3 Complete luxation of an upper right molar with support of a wide X-Luxa-Tool. Gentle extraction without root fractures!
- 4 Inspection of the empty tooth socket and curettage with support of the X-Spoon.



 Instruments
DBGM by Dr. Detlef Hildebrand

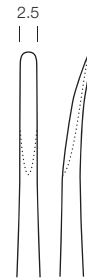
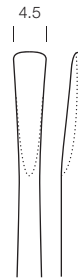
THE ORIGINAL

The implantology with immediate insertion after the tooth extraction is more and more a focus of interest in modern dentistry. It appears to be more than necessary to protect soft and hard tissue structures already during the extraction phase and to follow the principles of minimal invasiveness. Here is an ideal complement for this:

The  Instruments! In contrast to existing instruments this clearly arranged and universal Xtool Set supports you during the gentle and uncomplicated extraction of teeth which cannot be preserved.

Modern therapy methods require modern instruments!

- Color coding for clear handling.
- Universal and complete extraction instruments in one tray.
- Ergonomic handle design (pencil-design) prevents unintended slipping during usage.
- Direct and controlled power transmission to prevent tooth and root fractures.
- Non-traumatic tooth extraction without injuring surrounding structures.



-Luxa-Tool, straight, 2.5 mm, for front teeth and upper jaw, green metallic

17.007.01

straight




-Luxa-Tool, straight, 4.5 mm, for front teeth and upper jaw, green metallic

17.007.02

straight

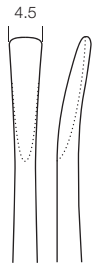


-Luxa-Tool, curved, 2.5 mm, for lower jaw, blue metallic

17.007.03

curved

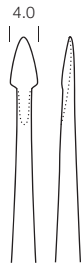





 Luxa-Tool, curved, 4.5 mm, for lower jaw, blue metallic

17.007.04

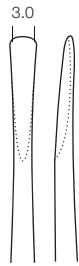
curved




 Luxa-Tool, straight, 4.0 mm, for initial loosening of the desmodontal fibres, yellow metallic

17.007.05

straight




 Luxa-Tool, straight, 3.0 mm, green metallic

17.007.06

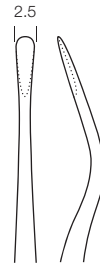
straight




 Luxa-Tool, curved, 3.0 mm, blue metallic

17.007.07

curved

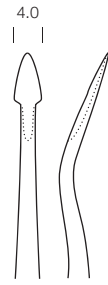
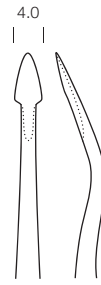
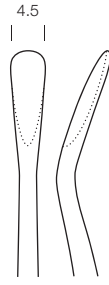
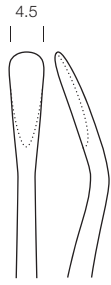
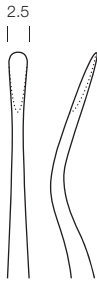


 Proximator, curved, 2.5 mm, fig. 77S, distal elevator, purple metallic

17.008.01

curved





X-Proximator, curved, 2.5 mm, fig. 77RS, mesial elevator, purple metallic

17.008.02

curved



X-Proximator, curved, 4.5 mm, fig. 77L, distal elevator, yellow metallic

17.008.03

curved



X-Proximator, curved, 4.5 mm, fig. 77RL, mesial elevator, yellow metallic

17.008.04

curved



X-Syndesmotome, curved, 4.0 mm, for distal access, purple metallic

17.008.05

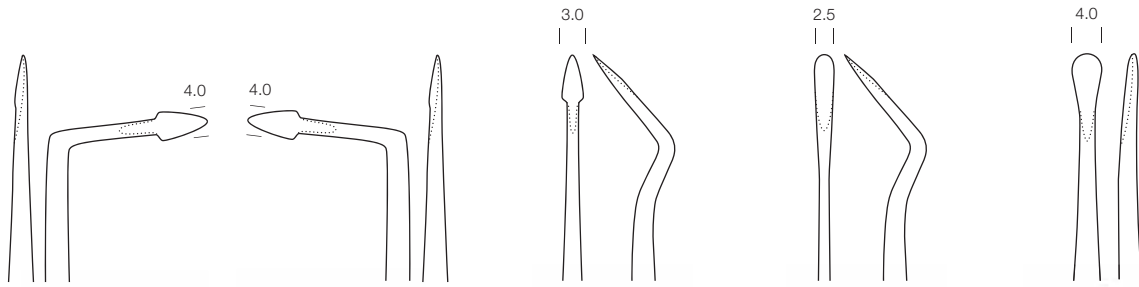
curved



X-Syndesmotome, curved, 4.0 mm, for mesial access, purple metallic

17.008.06

curved



X-Syndesmotome, curved left, 4.0 mm, for lingual/buccal luxation, yellow metallic

17.008.08

curved



X-Syndesmotome, curved right, 4.0 mm, for lingual/buccal luxation, yellow metallic

17.008.09

curved



X-Apical Desmotome, mesial bending, 3.0 mm, for apical access to the deep-lying root stump, brown metallic

17.008.10

curved



X-Apical Proximator, mesial bending, 2.5 mm, for apical access to the deep-lying root stump, brown metallic

17.008.11

curved

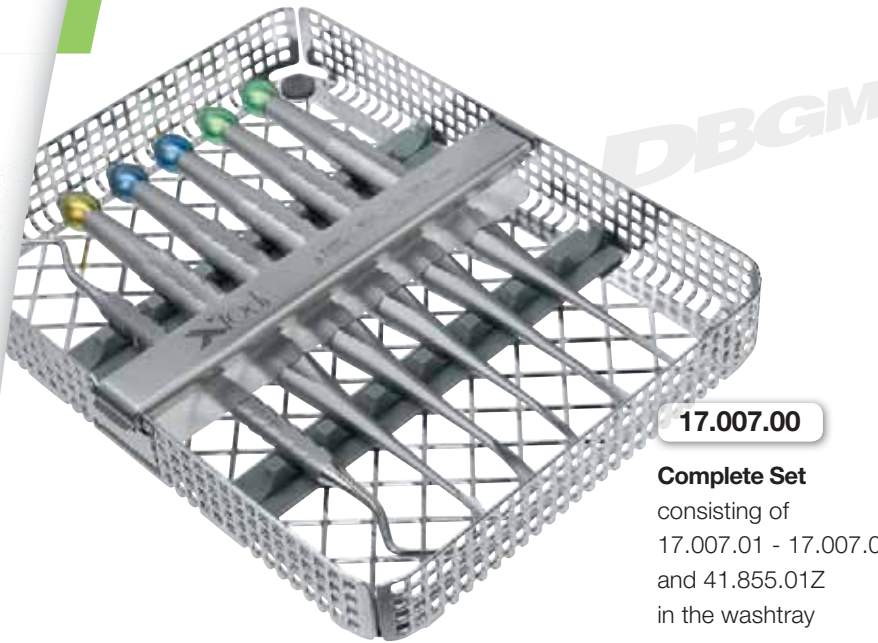


X-Separator, straight, 4.0 mm, for the luxation of separated roots, purple metallic

17.008.90

straight





17.007.00

Complete Set
consisting of
17.007.01 - 17.007.05
and 41.855.01Z
in the washtray



Lucas Scraper, 2.5 mm, double-ended, 17.5 cm

41.855.01Z



■ **X-Desmo-Tool (yellow):**

The X-Desmo-Tool easily enters into the periodontal gap with its pointed tip and initially loosens the Sharpey's Fibres. The modified pencil handle and the handy shaft shape offer a depth sensibility like never experienced before without destroying related structures.

■ **X-Luxa-Tool-3 (blue):**

bent + narrow
for tooth loosening

■ **X-Luxa-Tool-1 (green):**

straight + narrow:
A delicate and controlled power transmission guarantees a specific loosening and luxation of the tooth without any risk of crown or root fractures.

Ideal position: approximal (mesial or distal) to the tooth which is to be extracted.

■ **X-Luxa-Tool-2 (green):**

straight + wide:
Complete, non-traumatic luxation of upper molars (e.g. tooth 16). The ergonomic instrument shape ensures a gentle extraction without tooth fractures or any damage to the alveolar wall.

■ **X-Luxa-Tool-4 (blue):**

bent + wide:
for tooth luxation

■ **Lucas Schaber ZEPF-Line:**

Inspection and curettage of the empty dental alveolus. Complete removal of all inflamed and connective tissue fibres.

ZEPF - Xiod-Tray

DBGM by Dr. Detlef Hildebrand

“Extraction in its most pleasant way”

The **ZEPF - Xiod-Tray** offers a universal instrument set for medical tooth extraction. The **Xiod** instrumentation includes six different instruments:



17.007.05
straight



17.007.02
straight



17.007.01
straight



17.007.03
curved

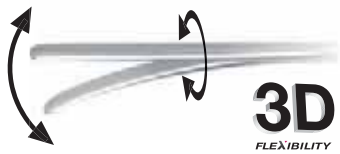


17.007.04
curved



41.855.01Z
curved

ZEPF FLEX-EX Power Perioste



26.690.10 ZEPF FLEX-EX Power Perioste



While using new materials, we were successful in the development of the **ZEPF FLEX-EX** Power Perioste, a symbiosis of Power Perioste, Elevator and Xtool. The flexible working tip will enable you to build up a phenomenal pressure for the luxation in a radial direction and a perfect match to the contour of the tooth at the same time without bending. The name stands for the excellent product features united in this instrument.

ZEPF Power Perioste

The Power Periostes allow a gentle loosening of ligaments in the sulcus. The handle allows optimal power transmission and controlled luxation.

26.690.01 Power Perioste, P1 XL, purple



26.690.02 Power Perioste, P2 XL, mesial, blue



26.690.03 Power Perioste, P3 XL, distal, green



05 ⁰⁵⁻⁴⁸ Extraction

+49 (0) 74 64 / 98 88 0

Ergonomical and heavy

Heavy, ergonomic handle design with exchangeable tips, for optimal access to all quadrants.



26.182.01

P1, straight, Ø 2.5 mm,
2.5 x 17.8 mm



26.182.02

P2, straight, Ø 2.5 mm,
1.7 x 14 mm



26.182.03

P3, angulated, Ø 2.5 mm,
1.7 x 12.5 mm



26.182.04

P4, mesial/distal angulated,
Ø 2.5 mm, 1.7 x 12.5 mm



26.182.00 Periotome Handle



17.045.00

Approximal Desmotome, # 0, straight, 3 mm, exchangeable, M4 x 0.5, single-ended



17.045.04

Approximal Desmotom, # 4, distal bending, 3 mm, exchangeable, M4 x 0.5, single-ended



17.045.05

Approximal Desmotom, # 5, mesial bending, 3 mm, exchangeable, M4 x 0.5, single-ended



41.834.11

Hemingway Sharp Spoon, double-ended, exchangeable, stainless steel, ZEPF-Line

ZEPF-Line 2 in 1 Periotomes

The 2 in 1 Periotomes acc. to Dr. Karl-Ludwig Ackermann are saving time as they are reducing the annoying exchange of instruments.



26.182.23 Periotome Combination P3/P2
ZEPF-Line, double-ended, exchangeable inserts



26.182.24 Periotome P4 / straight Sharp Spoon Ø 3.0 mm
ZEPF-Line, double-ended, exchangeable inserts

ZEPF-Line Periotomes

For the Separation of the Sharpey's Fibers in the Sulcus

Before the usage of any root elevator or extraction forceps it is necessary to separate the Sharpey's Fibers in the sulcus with a periotome in order to do an atraumatic tooth extraction. To do so, the periotome is to be drawn through the sulcus.

The correct application saves the gingiva and the periosteum. The special design in the grip area guarantees a pleasant grip and extremely easy handling.



26.182.11 ZEPF-Line, exchangeable



26.182.12 ZEPF-Line, exchangeable



26.182.13 ZEPF-Line, exchangeable



Root Elevators

Root elevators are used for the surgical tooth extractions. They are used to luxate the tooth in the osseous alveolus and to expand the alveolus walls. They are also used to open the gingival sulcus prior to the tooth extraction.

Straight instruments are used in the anterior region and in the maxillary area. Curved root elevators are ideal for the back teeth in the mandible.

The Workmanship

The shafts of **HELMUT ZEPF** Root Elevators are welded onto their hollow handles, and each and every one is checked for leakage at their welded joints.

This manufacturing method virtually eliminates the leakage compared to cheap root elevators with pressed-in shafts.



Bein
(B) 17.001.01
(S) 17.001.11



Bein
(B) 17.001.02
(S) 17.001.12



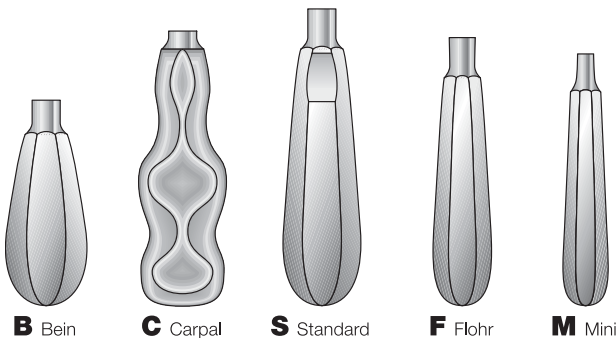
Bein
(B) 17.001.03
(S) 17.001.13

Bein
(B) 17.001.00
(S) 17.001.10

The Handle Versions

Except for the Xtool-Series, the Elevators from **HELMUT ZEPF** mainly differ in their 6 different handle designs such as: 'Bein', 'Carpal', 'Standard', 'Flohr', 'Mini'.

These are handle versions which can be assigned easily due to their letter coding:



Gärtner
(B) 17.013.00

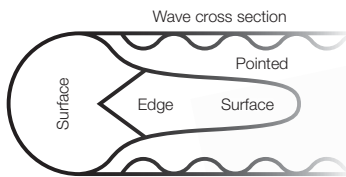


Gärtner
(B) 17.013.01

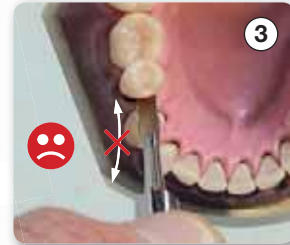
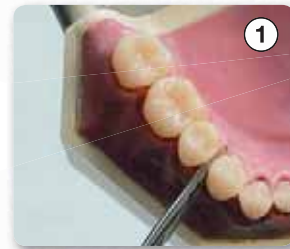


Gärtner
(B) 17.013.02

Modified Root Elevator Beck



Instructions



- ① Because of the elliptical shape of the instrument tip, it is easy to penetrate the interdental space with this instrument.
- ② Due to the shape, by turning the instrument through 180° it is possible to luxate in four directions: 2x mesially and 2x distally.
- ③ **Attention!** These instruments must not be used as a lever, as shown e.g. in picture 3. Due to the special shape, an over-strengthening of the tip can cause breakage. We cannot be held responsible for damages caused by improper use.

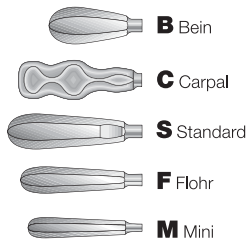
Because of the elliptical shape of the instrument tip, it is easy to penetrate the interdental space with this instrument.

Due to the shape, by turning the instrument through 180° it is possible to luxate in four directions: 2x mesially and 2x distally.

The elevator works during the luxation step with 5-7 supporting points (Hypomochlion), which avoids slipping through because of the different surfaces around the radius, instead of a common round-edged instrument, which works with 1-2 supporting points only.

This makes the Beck Root Elevator much more effective.





Heidbrink Root-Splinter Elevators

All-purpose instruments for gently extracting root splinters.

Straight (without picture):

(M) **17.051.01**

(S) **17.052.01**

Angled:



(F) **17.053.02**

(F) **17.053.03**



(M) **17.051.02**

(S) **17.052.02**



(M) **17.051.03**

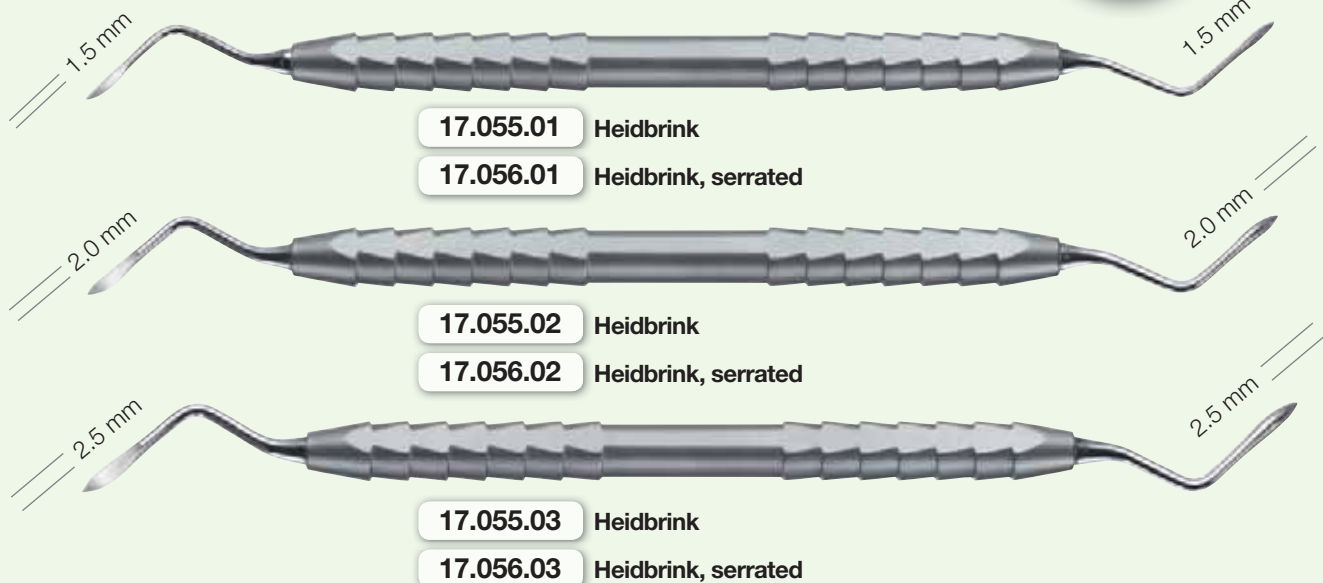
(S) **17.052.03**



ZEPF-Line Heidbrink Root-Splinter Elevators

The fine working tips of the Heidbrink Root-Splinter Elevators allow the palpation and mobilization even of small root remnants.

Example for serrations:



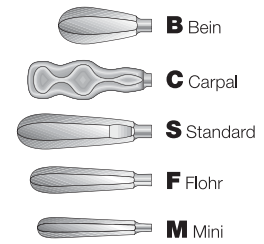
Root Elevator No. 195

The drop-shaped, blunt working end makes the new **ZEPF** Root Elevator No. 195 ideal for the separation and luxation of roots. The tapered working end allows its special use in the molar region in all quadrants. It can also be used for initial loosening of the desmodontal connection.

Due to its geometry and smooth luxation and rotary motion, the root fragment to be removed will be moved very easily in "crestal direction" (in relative terms!). The luxated fragment can therefore be grasped easily with deep-gripping forceps or with Luer bone rongeur forceps.

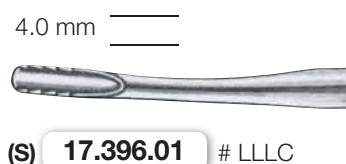
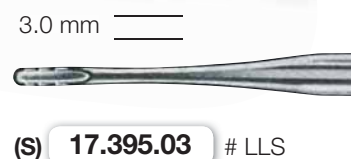


Picture:
Courtesy of Dr. Florian Steck








Lindo-Levien Root Elevators

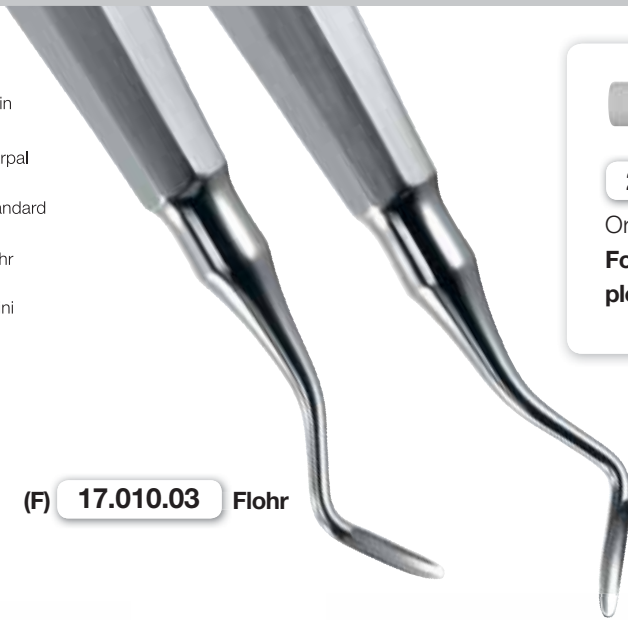
The LINDO-LEVIEN Root Elevators are pushed into the periodontal gap in apical direction until the serrations will grip on the roots. The root is extracted via a barb effect by straight pulling without leverage.



05 05-54 Extraction

+49 (0) 74 64 / 98 88 0

-  **B** Bein
-  **C** Carpal
-  **S** Standard
-  **F** Flohr
-  **M** Mini



24.923.10

Original Arkansas Stone

For further information, please refer to page 03-31!

(F) **17.010.03** Flohr

(F) **17.010.02** Flohr



3.0 mm

(S) **17.100.35**



2.0 mm

(S) **17.100.46**



2.0 mm

(S) **17.100.60**
(B) **17.101.60**



3.0 mm

(S) **17.100.61**
(B) **17.101.61**



4.0 mm

(S) **17.100.62**
(B) **17.101.62**



4.0 mm

(S) **17.100.57**

Carpal Root Elevators

acc. to Gärtner

The Carpal Root Elevators fig. 0, 1 and 2 are disposing of flat, sharp tips in the diameters 2.5 mm, 3.5 mm and 4.5 mm.

This shape of the 5 cm long blades allows an axial penetration of the alveolus. The Carpal Handle allows an ergonomic and user-friendly working.

2.5 mm

(C) **17.220.00** # 0

3.5 mm

(C) **17.220.01** # 1

4.5 mm

(C) **17.220.02** # 2

4.0 mm

(C) **17.220.69** # 69



(S) **17.006.01** straight 3.0 mm



(S) **17.006.02** straight 5.0 mm



(S) **17.006.03** straight 3.0 mm



(S) **17.006.04** curved 5.0 mm



(S) **17.100.08** Miller 3.0 mm



(S) **17.100.09** Miller 3.0 mm



(S) **17.100.10** Miller 3.0 mm

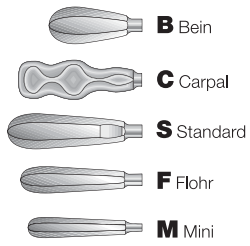


(S) **17.100.11** Miller 3.0 mm



Carpal Handle





Gärtner and Hylin Root Elevators



Gärtner 12.5 cm
(B) **17.014.00**



Gärtner 12.5 cm
(B) **17.014.01**



Gärtner 12.5 cm
(B) **17.014.02**



Hylin
17.020.01

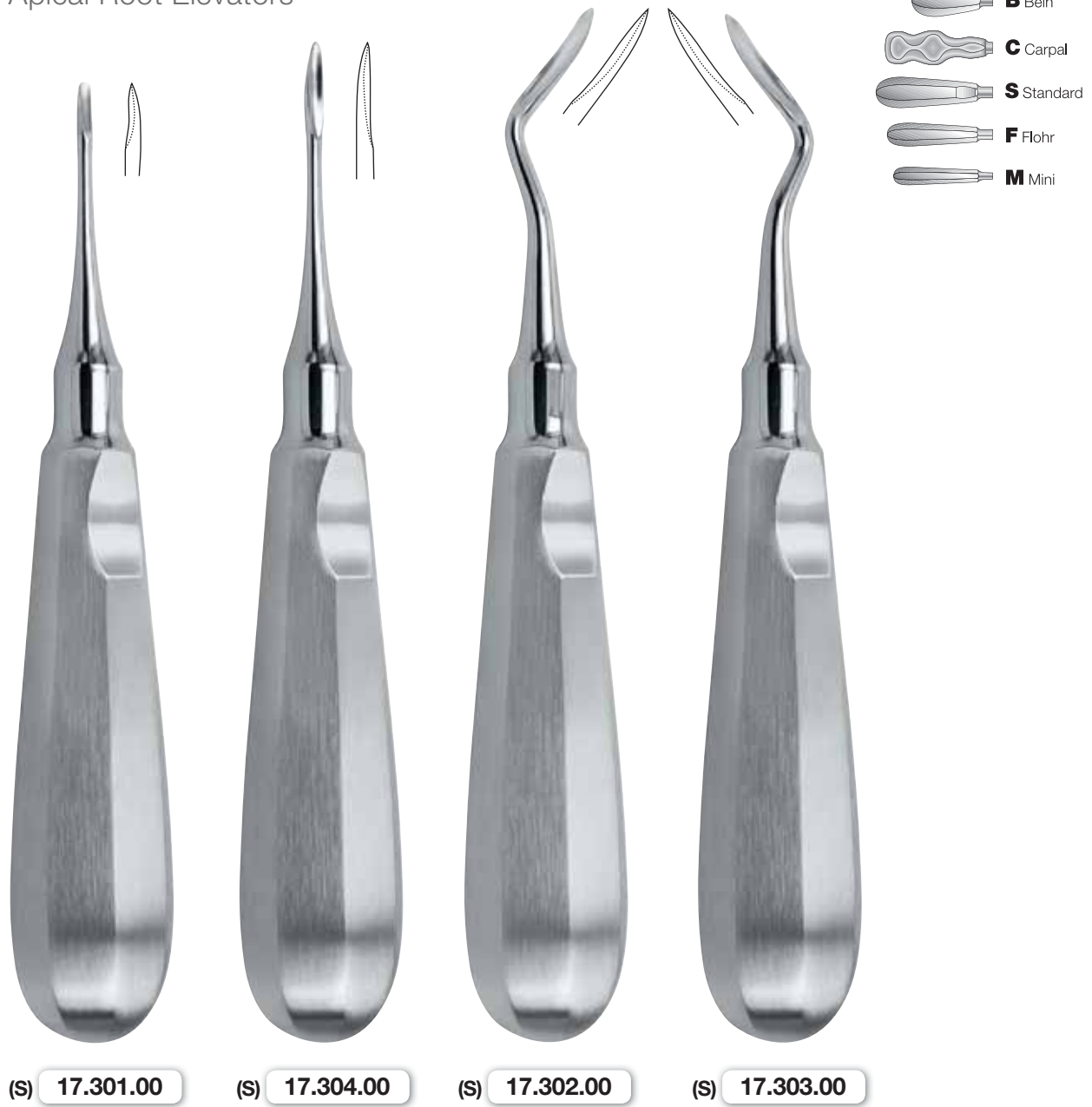


Hylin
17.020.02



17.410.03 Chompret Syndesmotome, # 3 with hollow handle

Apical Root Elevators



17.677.16 Apical Root Elevator, # 77R, ideal for wisdom teeth

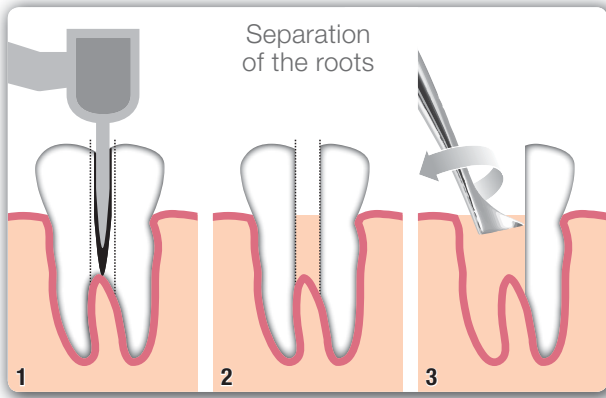


Revolving Chisel Vienna Pattern



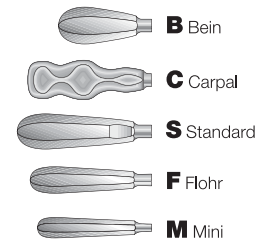
Root Elevators Cryer and Winter

Claw elevators are ideal to extract molars in the mandible after separation of the roots.



The bend of the working ends, combined with the shortened tips, allows a gentle lifting of the opposite root without contact to the neighboring crown.

The special claw elevators are ideal to luxate roots if an apical access is possible from the neighboring alveolus, e.g. if a root has already been removed and if the empty alveolus can be used as access. It is recommended first to remove the root which is bent less.



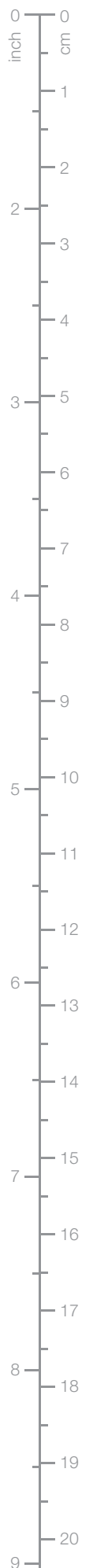
(S) **17.100.39**
Cryer

(S) **17.100.40**
Cryer



05 ⁰⁵⁻⁶⁰ Extraction

+49 (0) 74 64 / 98 88 0

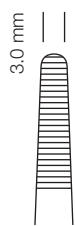


MADE IN GERMANY

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

Scale

The **ZEPF** Forceps



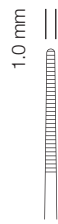
Standard

- 22.200.12** 12 cm **22.200.15** 15.5 cm
- 22.200.13** 13 cm **22.200.20** 20 cm
- 22.200.14** 14.5 cm



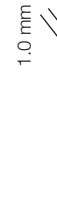
Standard, fine

- 22.230.13** 13 cm
- 22.230.14** 14.5 cm



Semken-Taylor

- 22.278.12** 12.5 cm
- 22.278.15** 15 cm



Semken-Taylor, curved

- 22.279.15** 15 cm



Suture Forceps

- 22.106.01** 15.5 cm



De Bakey

- 50.226.16** modif. 16 cm



De Bakey

- 50.229.16** modif. 16 cm



Atraumatic Tissue Forceps by Dentist Beck



22.824.17 17.5 cm

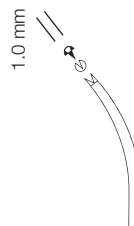
Due to their specially shaped working tips, the Tissue Forceps allow an easy and gentle grip and fixation of the tissue flap. There is no additional traumatism of the soft tissue. The Atraumatic Tissue Forceps can be used in all fields of dentistry and odontology (in surgery, parodontology and implantology).



Semken

22.480.12 12.5 cm

22.480.15 15 cm



Semken, 30° curved

22.481.12 12.5 cm

22.481.15 15 cm



Tissue Forceps, fine 1 x 2 teeth



22.408.11 11.5 cm

22.408.16 16 cm



22.408.13 13 cm

22.408.20 20 cm

22.408.14 14.5 cm

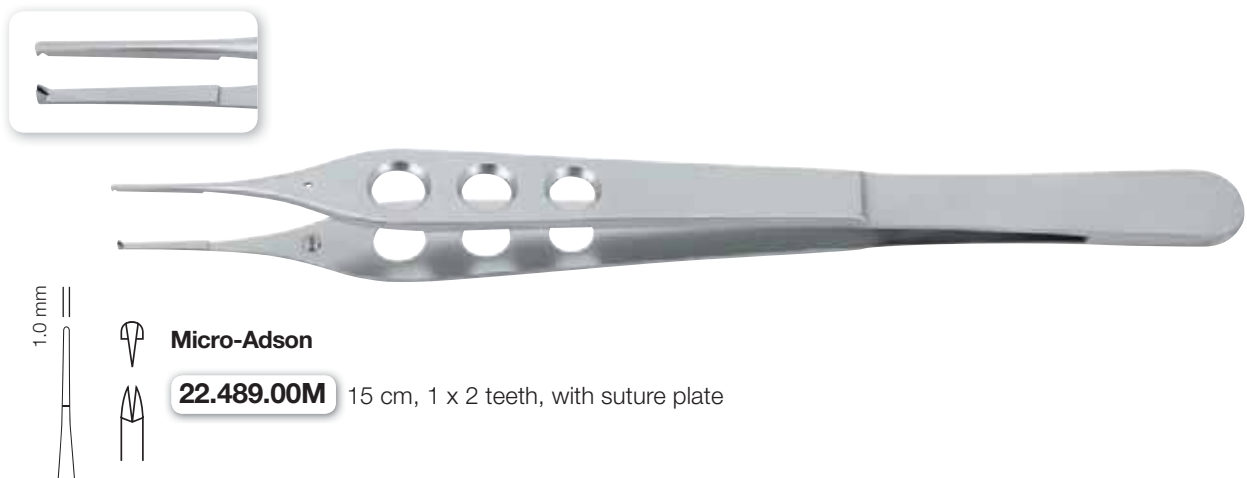
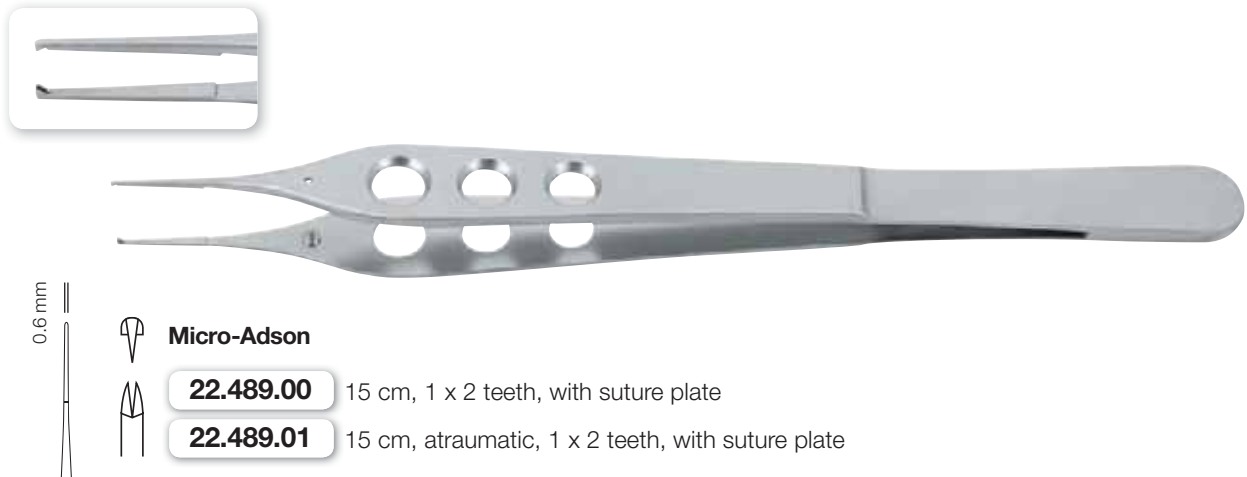


Tissue Forceps, standard 1 x 2 teeth

22.400.13 13 cm



22.400.14 14.5 cm





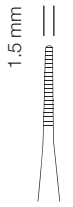
Potts Smith
22.450.18 18 cm, 1 x 2 teeth



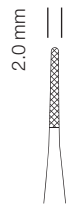
Gerald
22.430.17 17.5 cm, 1 x 2 teeth



Gillies
22.416.15 15 cm, 1 x 2 teeth



Adson
22.270.12 12 cm



Adson
22.310.12 12 cm, TC
22.310.15 15 cm, TC



Adson
22.486.12 12 cm
22.486.15 15 cm



Adson
22.488.20 15 cm





Backhaus

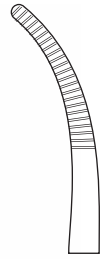
23.709.11 11 cm



2.0 mm



23.098.14



23.099.14



Allis 5 x 6 teeth

23.782.15 15 cm

53.034.19 19 cm

53.034.25 25 cm



Allis 5 x 6 teeth

23.781.15 15 cm



Gross

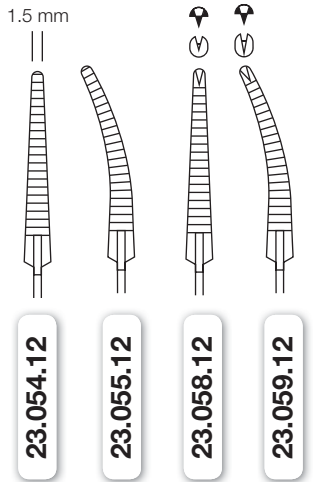
23.740.20 20 cm, straight

23.741.20 20 cm, curved

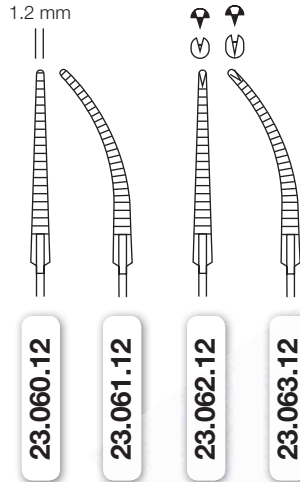


Kelly 14 cm

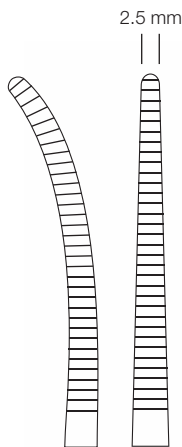
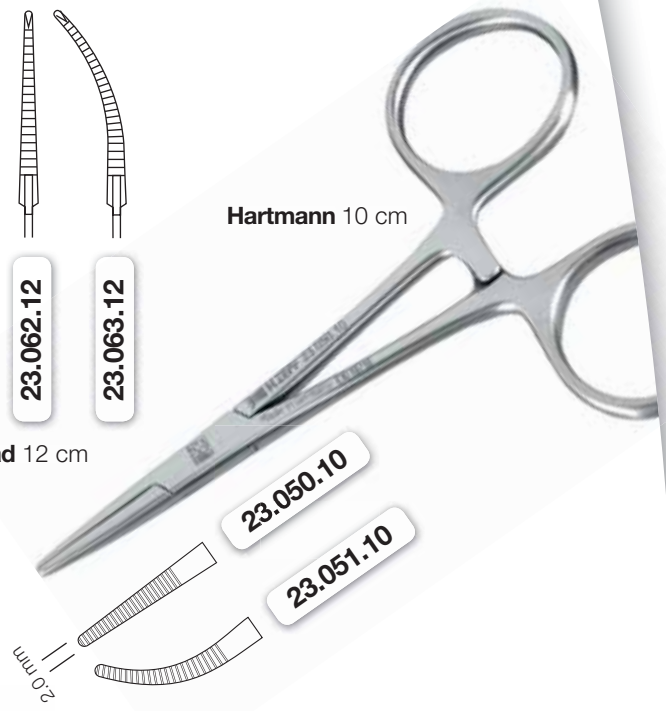




Halstead-Mosquito 12.5 cm



Micro-Halstead 12 cm

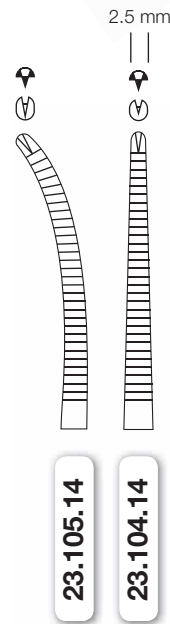


Rochester-Pean straight

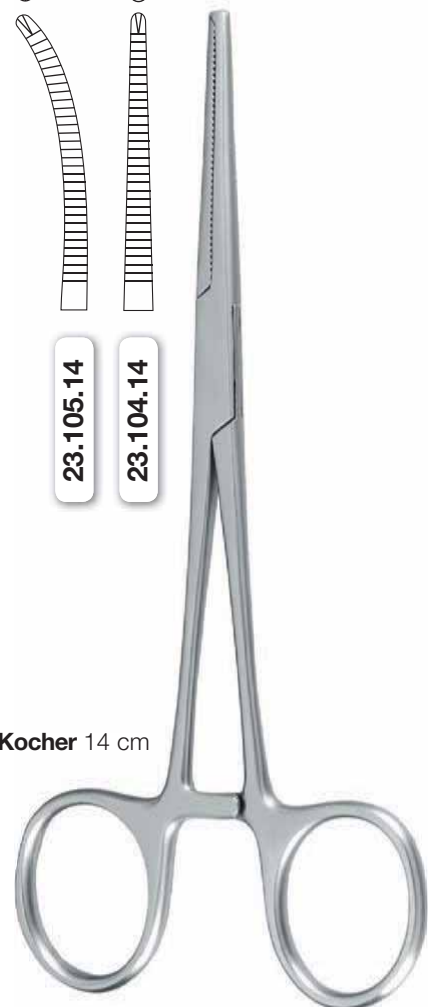
- 23.106.14 14 cm
- 23.106.16 16 cm
- 23.106.18 18 cm

Rochester-Pean curved

- 23.107.14 14 cm
- 23.107.16 16 cm
- 23.107.18 18 cm



Kocher 14 cm



Jones

- 23.705.09 9 cm



The **ZEPF** Retractor

pat. pend. by Dr. Peter Müller, Ebersbach



37.443.00 Retractor by Dr. Peter Müller

Clear, non-tiring retraction in every situation

Retraction of the cheek, lips, tongue and mucoperiosteal flap. The **ZEPF** Retractor is a "quality product from Tuttlingen" and bears the name **HELMUT ZEPF** as seal of quality.

- ergonomic handle
- low-weight, very well-focused instrument
- innovative design
- multipurpose usage
- good view
- smooth surface, manufactured from one piece
- all common disinfection and sterilization methods possible



37.445.01 Hilger

Retractor, for all Mouth Mirror Handles Ø 2.5 mm

24.089.02 Mouth Mirror Handle, ergonomic, hollow, stainless steel



Silicone Mouth Gag

37.258.40 small

37.258.43 big



Langenbeck

37.351.02 # 2, Finger Protector, chromium-plated, not stainless



Cawood-Minnesota
mod. by Dr. Müller

37.437.17 16.5 cm



Cawood-Minnesota

37.437.15 15.5 cm

Vestibulum Retractor

by Dr. Müller, Tuttlingen

Working end made of stainless steel,
handle M4.5 mm,
Dr. Ti, made of titanium.

The Vestibulum Retractor by Dr. Müller,
Tuttlingen can be used in the dental field
for all activities for which it is necessary to
have a very good view as well as the best
possible dryness.



The application in periodontology as well
as in oral surgery is possible as the
Vestibulum enables you to retract a com-
plete quadrant. This offers a very good
view on your field of work. The instrument
can also be used to model the edges in
the acrylic technique. The relative drying
is possible with one hand which offers a
better moulding.

The instrument can be used in many ways
and is very easy to apply. This makes it
very economical.



37.444.01



Special features of the

Maty Cheek and Lip Retractors:

- suitable for a wide variety of uses
- lightweight
- easy to use
- patient-friendly
- no traumatization of the oral cavity
- usable on upper or lower jaws
- ergonomically designed, saves time, thereby cutting costs
- does not need to be removed when work is interrupted since design prevents the dropping out

37.454.00

Maty Cheek and Lip Retractor, 17.5 cm



37.454.02

Maty Cheek and Lip Retractor for children



Maty Cheek and Lip Retractor

The light weight, versatility and anatomically shaped jaws of this instrument makes it suitable for use in a wide variety of uses in all areas of dentistry.

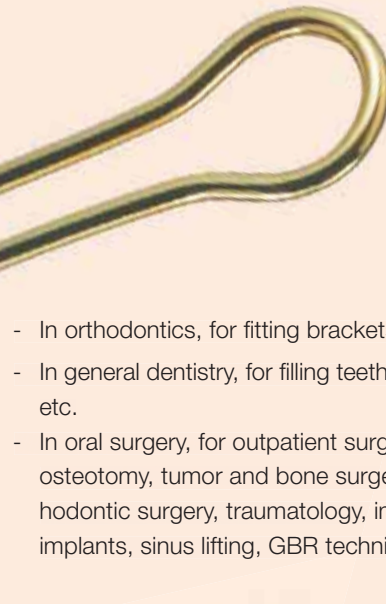
In prosthodontics, for reliably taking casts, determining upper/lower jaw mismatches, fitting crowns, bridges, inlays, etc

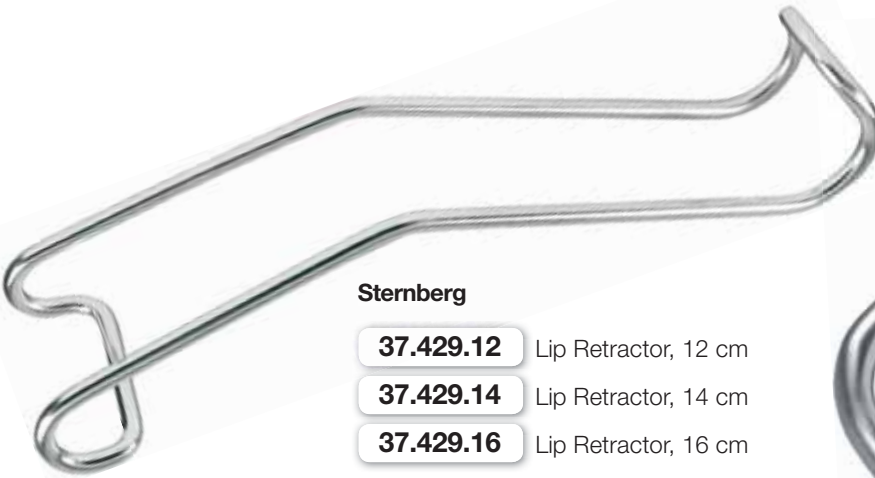
- In orthodontics, for fitting brackets, etc.
- In general dentistry, for filling teeth, root-canal work, etc.
- In oral surgery, for outpatient surgery (apicoectomy, osteotomy, tumor and bone surgery, etc.), preprosthodontic surgery, traumatology, implantology (enossal implants, sinus lifting, GBR techniques, etc.)

Due to its broad applicability and easy handling (no specialists required to retract lips, cheeks etc.) the retractor also contributes significantly to cost-efficiency.

Quality **MADE IN GERMANY**.

Our all-purpose cheek and lip retractor is yet another top-quality, high-precision, all-purpose instrument "Made by **HELMUT ZEPF** Medizintechnik GmbH".





Sternberg

- 37.429.12** Lip Retractor, 12 cm
- 37.429.14** Lip Retractor, 14 cm
- 37.429.16** Lip Retractor, 16 cm



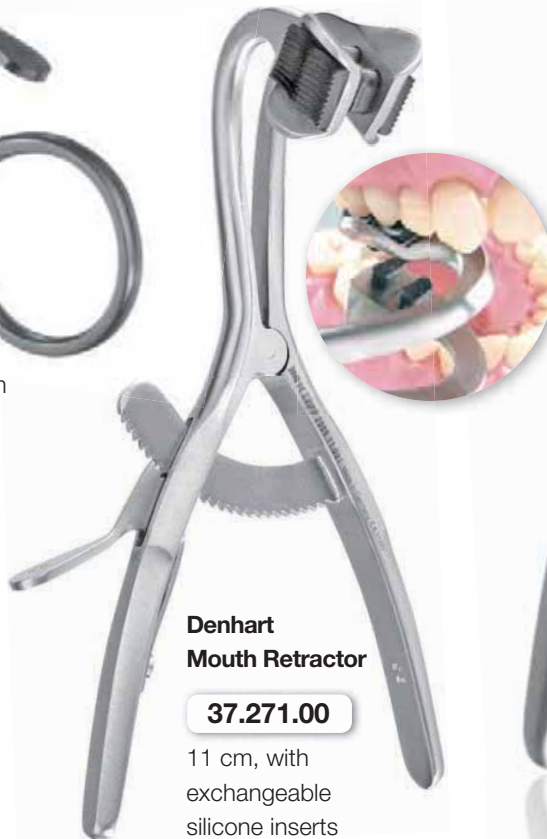
Rowe Disimpaction Forceps 24 cm

- 60.150.24** left variant
- 60.151.24** right variant



Molt Mouth Props

- 37.261.11** Pado Prop, 11.2 cm
- 37.261.14** Adult Prop, 14 cm



Denhart Mouth Retractor

- 37.271.00**
11 cm, with exchangeable silicone inserts



19.270.50

Replacement Inserts for Denhart Mouth Retractor (1 pair)



38.452.00 Bowdler-Henry's

Rake Retractor for impacted lower wisdoms



38.465.15 Obwegeser

Retractor for mouth, jaw and face surgery, flexible, 15.5 cm



Obwegeser Retractor for mouth, jaw and face surgery, flexible, 16 cm

38.467.08 8 mm

38.467.10 10 mm



Wieder Tongue Depressor

37.426.01 # 1, small

37.426.02 # 2, big





Middeltdorpf Retractor, 20 cm

37.441.01

15 x 15 mm

37.441.02

20 x 22 mm

Senn-Miller Retractor, 16 cm

38.076.16

3 prongs, sharp

38.078.16

3 prongs, blunt

Ragnell-Davis Retractor

38.074.14

8 x 4 and 15 x 5 mm

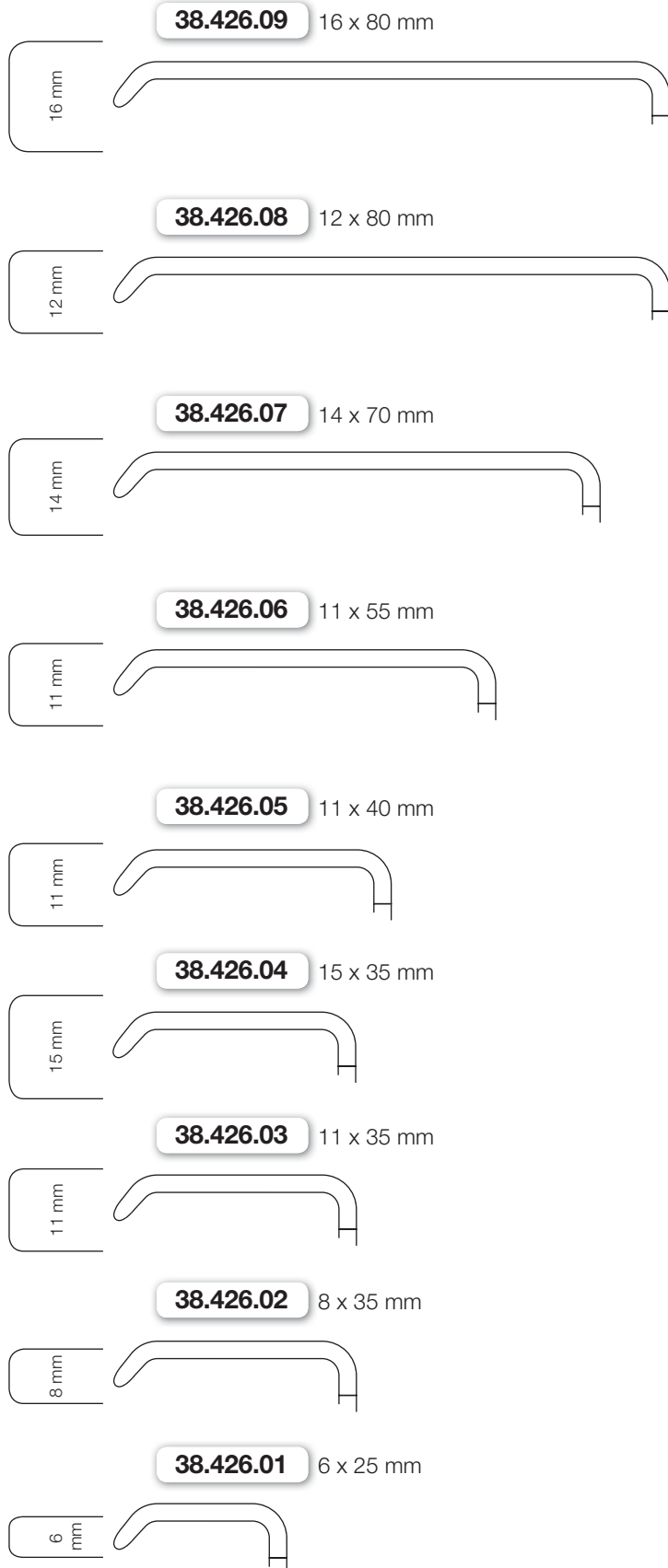
38.471.15 **Tessier 15 cm**
Mobilization Hook, left

38.473.15 **Tessier 15 cm**
Mobilization Hook, right



Kocher-Langenbeck

Retractor, 21.5 cm



Langenbeck

Retractor, 21 cm



Combined Retractor and Cheek Retractor

by Schäfer

1 instrument – 2 functions!

The combined retractor is suited for an optimized retraction of lips and the cheek during surgery like implantations and root-tip resections.

Schäfer Retractor and Cheek Retractor

37.440.00 23 cm



38.430.06 13 x 42 mm



38.430.05 11 x 50 mm



38.430.04 11 x 40 mm



38.430.03 16 x 30 mm



38.430.02 14 x 30 mm

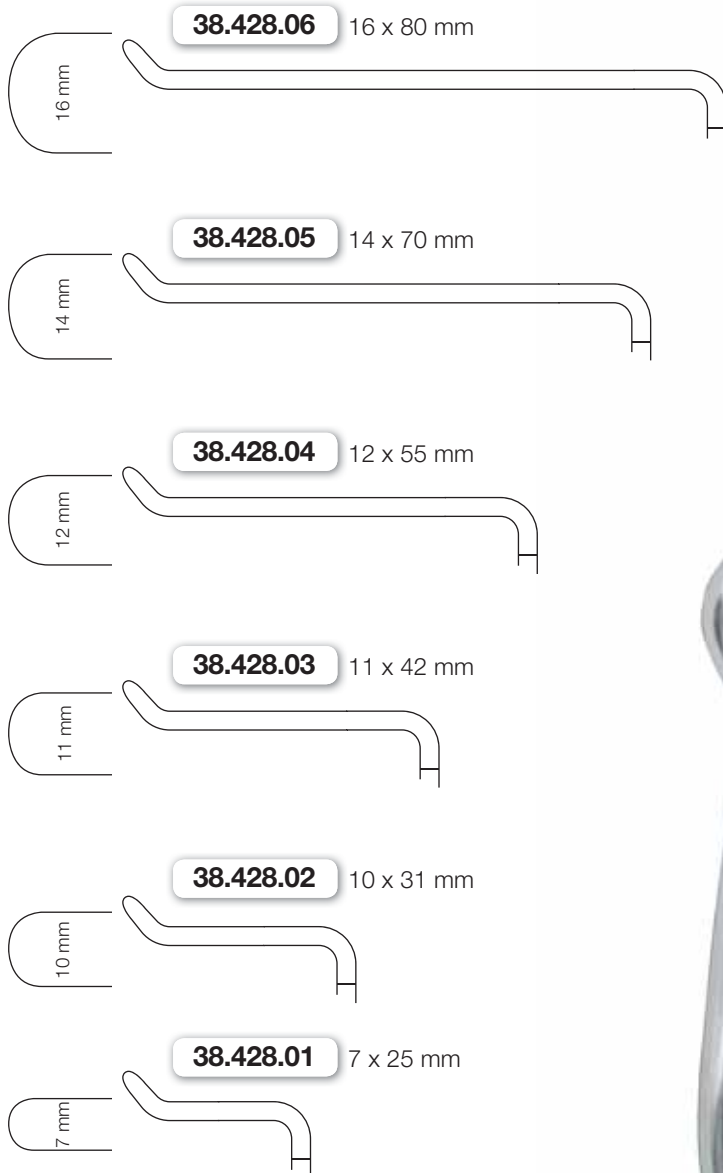


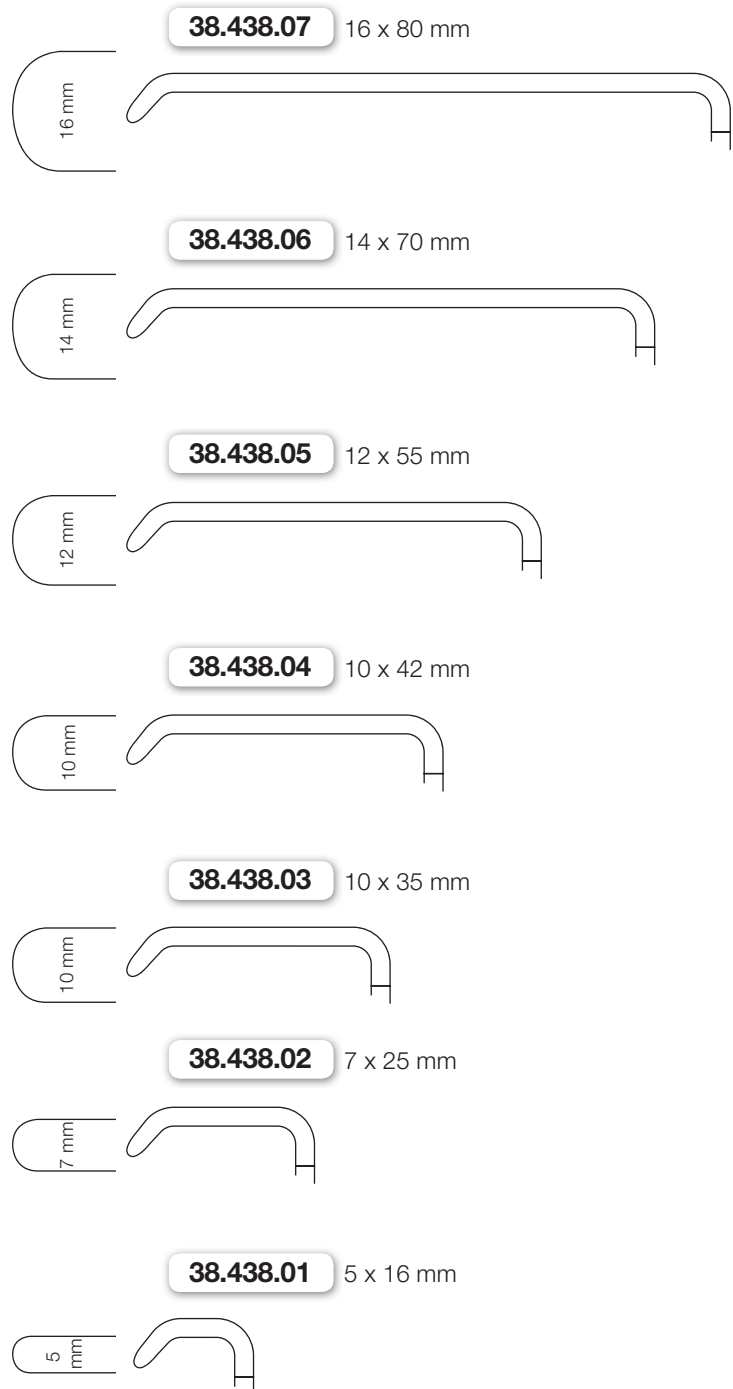
38.430.01 11 x 30 mm



Obwegeser

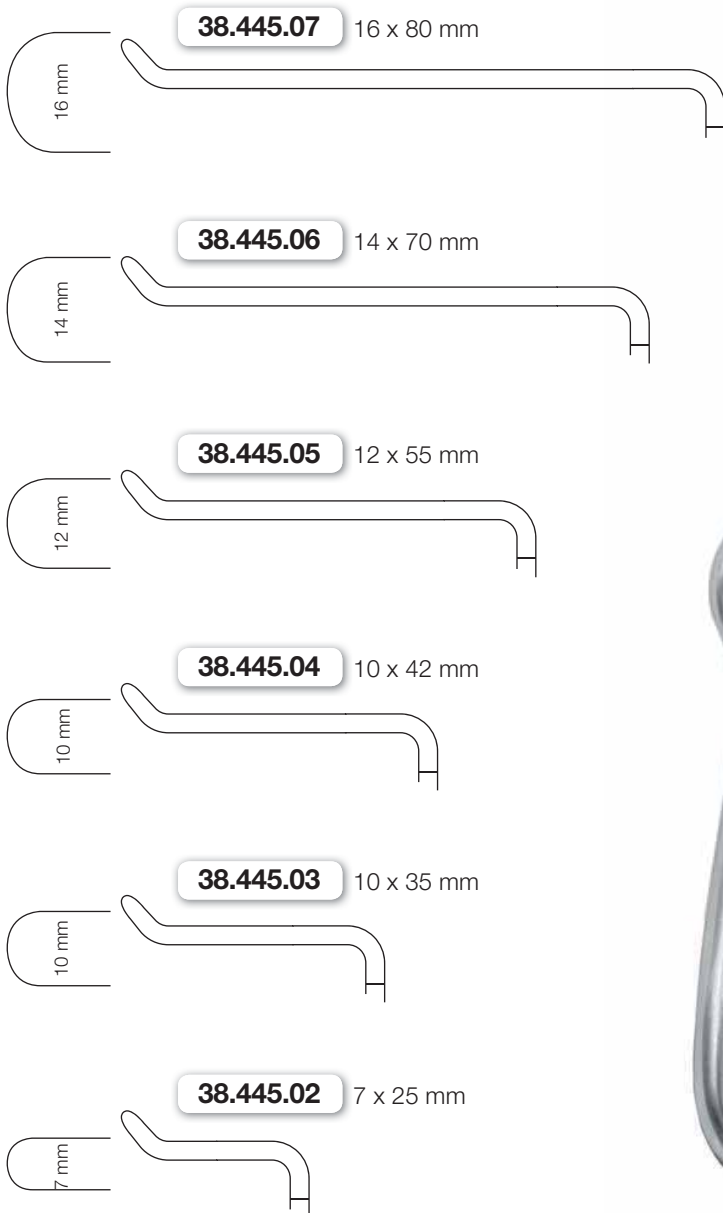
Soft Tissue Hook, curved, 22 cm





Obwegeser

Retractor, curved, concave blade, 22 cm



Kocher Retractor, 21.5 cm

38.427.01 12 x 20 mm

38.427.02 14 x 21 mm



ZEPF Vestibulum Retractor

by Kapogianni

The **HELMUT ZEPF** Vestibulum Retractor according to Kapogianni is mainly used for the region of the lateral teeth in the upper jaw.

It is meant for the atraumatic holding of the prepared mucoperiosteal flap which is usually retracted in the area of the crista zygomaticoalveolaris. The crista often develops a distinctive osseous bow which makes it impossible to hold it away with a straight retractor.

This instrument is of great advantage especially during operations like the direct sinus lift, big augmentative interventions or other operations in the area from the cuspid to the rear lateral teeth.

Because of the three-dimensional arrangement of both retracting elements of this Vestibulum Retractor, the mucosa is retracted safely and a trauma due to continuous slipping is excluded. Of course, this retractor can be used for anatomically similar bone structures for safe and atraumatic working.



38.448.50 Vestibulum Retractor

by Kapogianni, to retract the prepared mucoperiosteal flap



Lucas Scraper double-ended, 17.5 cm



Lucas **41.855.00Z** Scraper, 1.5 mm

Lucas **41.855.01Z** Scraper, 2.5 mm

Lucas **41.855.02Z** Scraper, 3.0 mm

Lucas **41.855.04Z** Scraper, 5.0 mm

Hemingway Sharp Spoon



Hemingway
Sharp Spoon,
16.5 cm

41.845.11 

11, 2.5 mm

41.845.22 

22, 3.0 mm

41.845.33 

33, 3.5 mm

Hemingway
Sharp Spoon,
modified, 17.5 cm

41.846.11 

2.5 mm

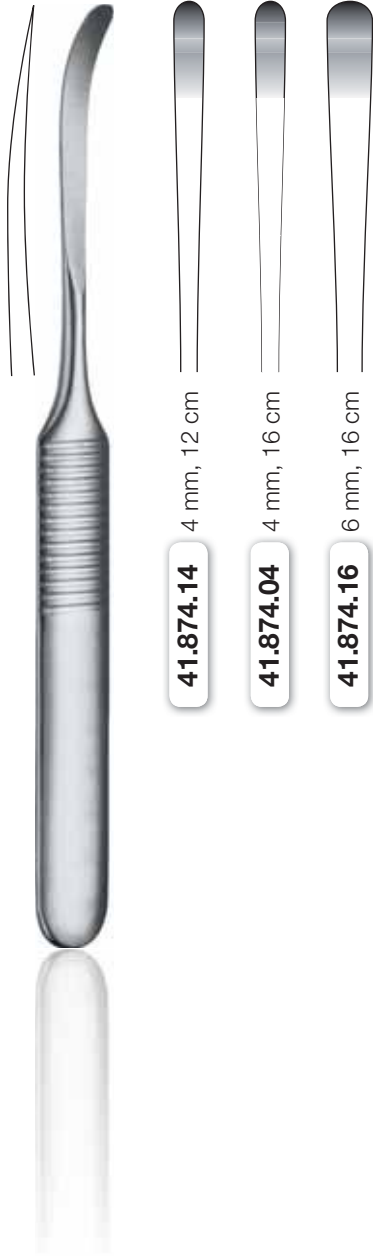
41.846.22 

3.0 mm

41.846.33 

3.5 mm

Williger Raspatories



41.874.14 4 mm, 12 cm

41.874.04 4 mm, 16 cm

41.874.16 6 mm, 16 cm

Elevators



Seldin 41.877.23 Elevator, # 23, 20 cm

Freer 41.864.02 Elevator, # 2, 5.5 mm, 20 cm

Freer 41.864.01 Elevator, # 1, 4 mm, 18.5 cm

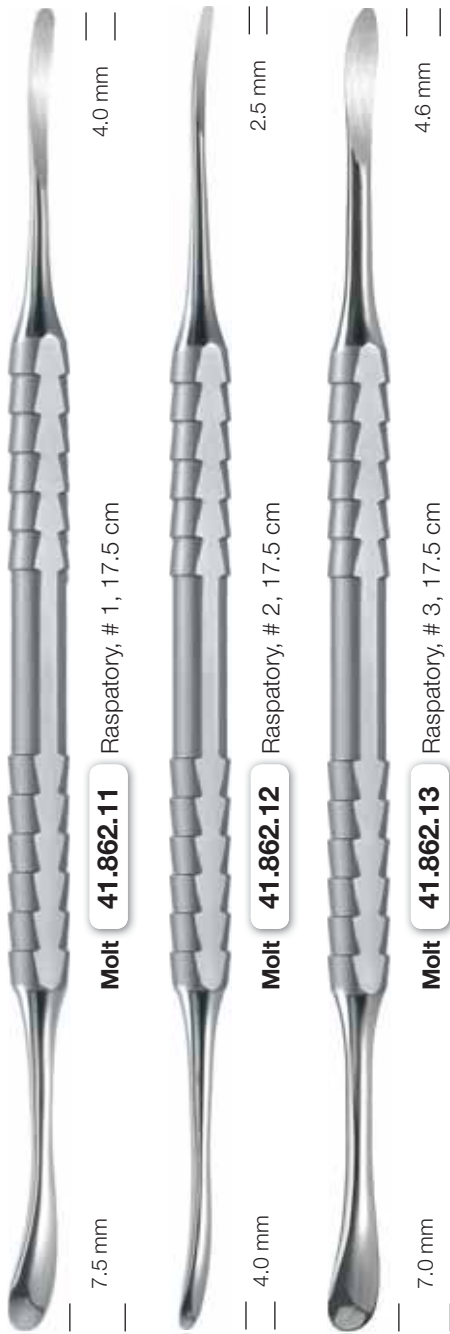




ZEPF -Raspatories

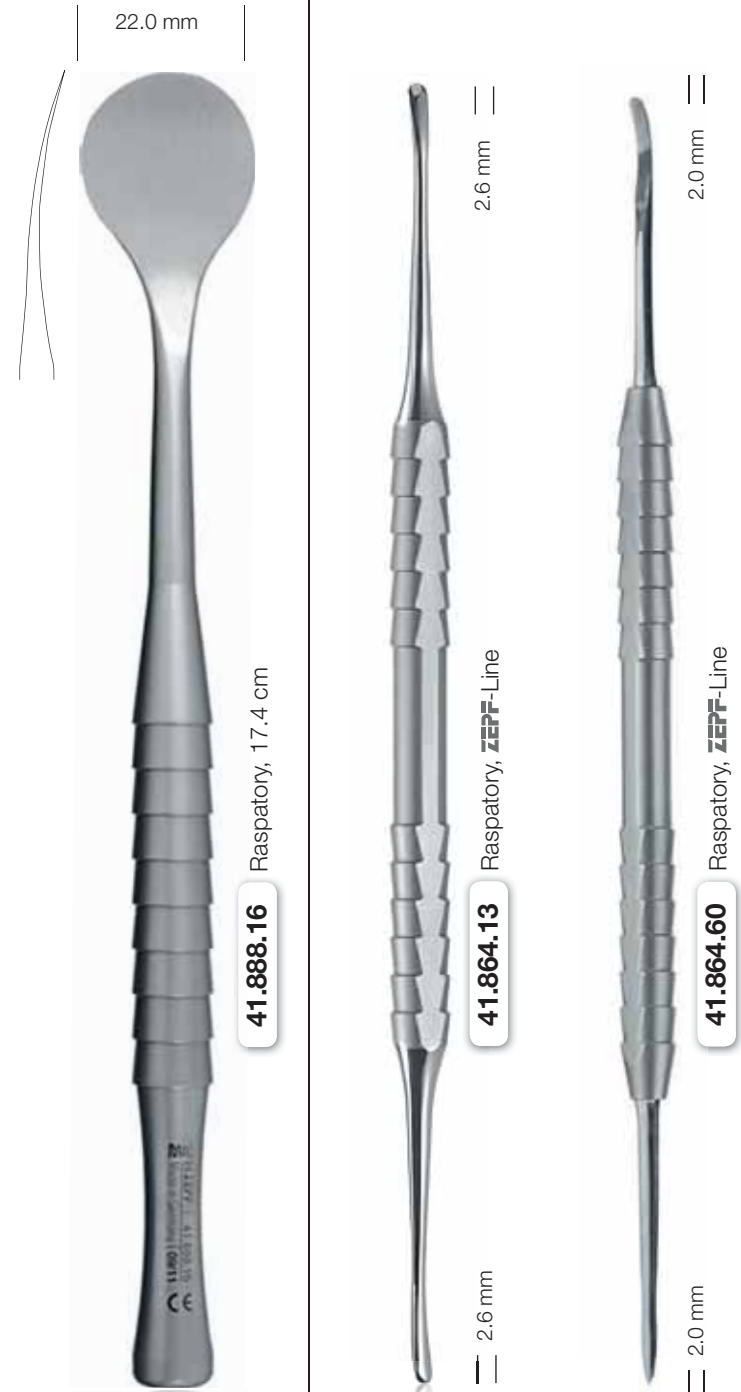
Perfectly done.

HELMUT ZEPF Periosteal Elevators are featured by a well-balanced design. The lame-design handles have a very handy shape. They are extremely easy to rotate, and due to the smooth surface, hygiene problems known from conventional handles are avoided.



Raspatory

extra wide,
very flat (1 mm)
light concavity



Prichard

An arrester and raspatory, all in one.

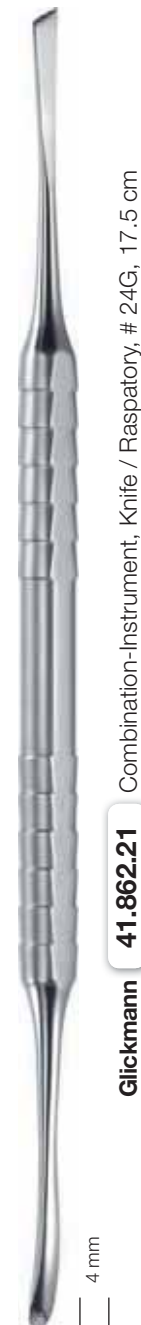
Usable in all types of periodontic surgery, osteotomy, or root-tip resections. Its sharp, rounded tip is used for preparing papilla/loose tissue for excision. In periodontic treatments, its blunt tip allows arresting several flaps of loose tissue simultaneously. The curvature of its blunt tip makes it also a popular choice for osteotomies in the molar area (8-area), as well as for mirror rasps, since its contacting surfaces are highly polished. Lingual surfaces may be very easily reached.



Glickmann

Periosteal Elevator and Flap Knife in one instrument.

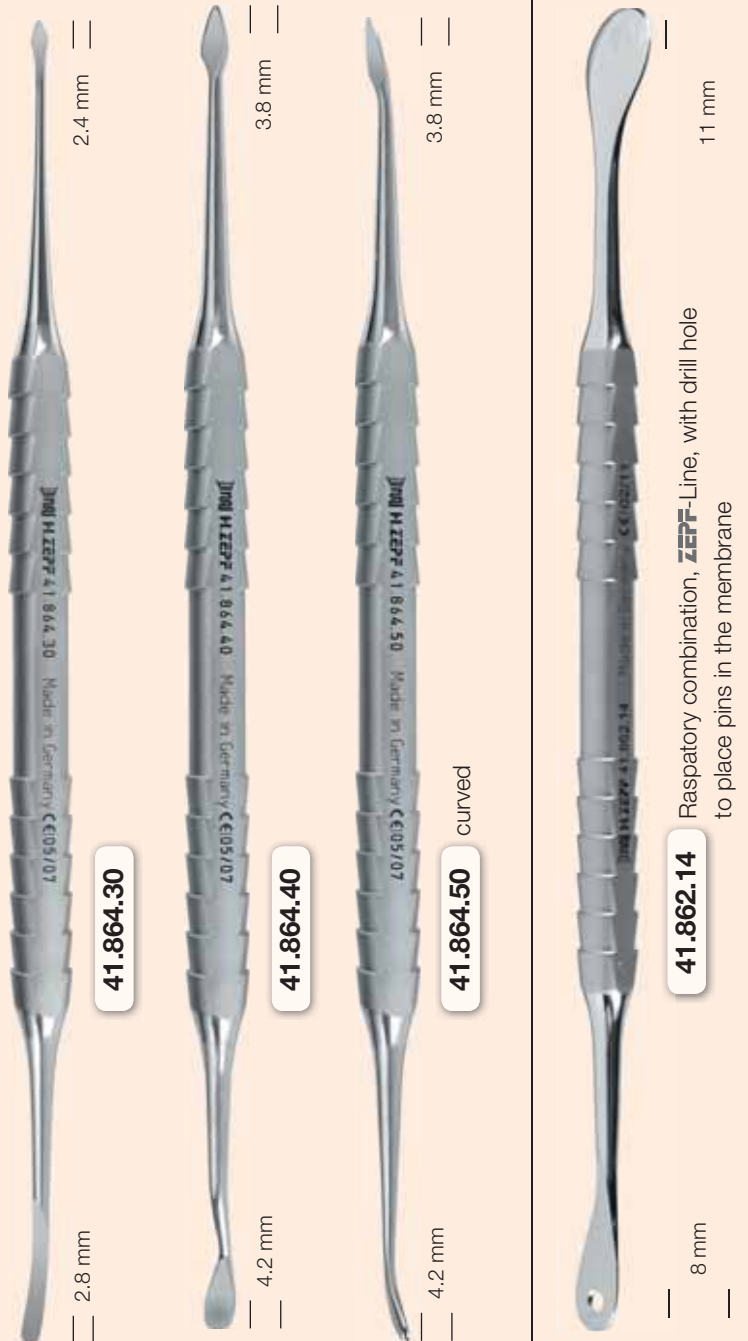
The flap knife is as sharp as a scalpel. (It has to be resharpened regularly!). Small additional cuts can be made in the interdental area. You do not have to switch to a standard scalpel. The delicate, round and sharp working tip is used to peel off / to cut the flap.





Combination-Instruments

Spiculum Raspatory and round Periosteal Elevator, 17.5 cm



41.864.30

41.864.40

41.864.50 curved

41.862.14

Raspatory combination, **ZEPF-Line**, with drill hole to place pins in the membrane

Micro Friedmann

Micro Bone Rongeur Forceps



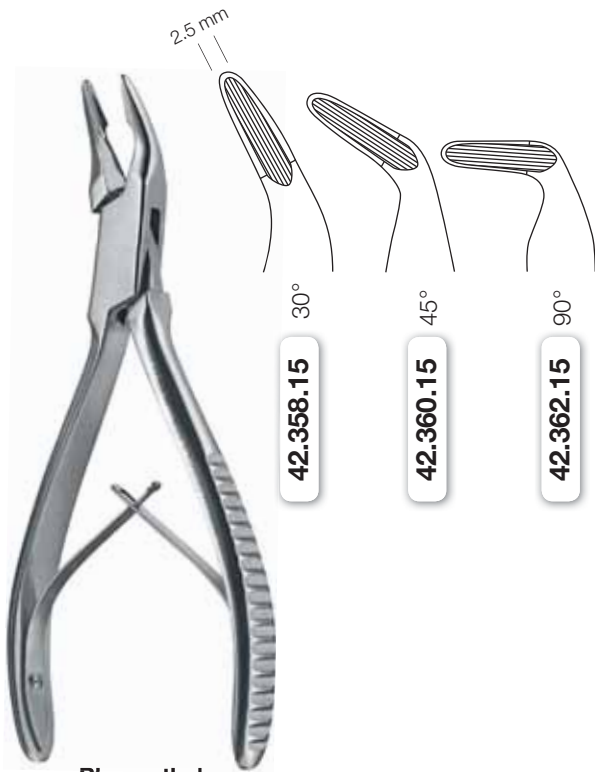
42.315.16

42.316.15

Micro Friedmann
Bone Rongeur Forceps

42.315.16S
Micro Friedmann
with La Grange
Bending (s-shape)
30°, 15.5 cm

Bone Rongeur Forceps



Blumenthal
Bone Rongeur Forceps, 15.5 cm

42.358.15

42.360.15

42.362.15



Mini Friedmann
Bone Rongeur Forceps

42.321.90

42.320.14

42.320.15

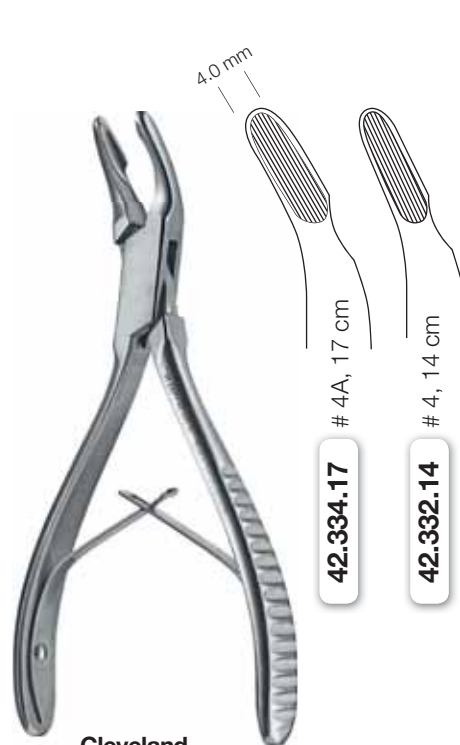


Luer
Bone Rongeur Forceps, 15 cm

42.324.15

42.326.15

42.328.15



Cleveland
Bone Rongeur Forceps

42.334.17

42.332.14





Beyer 18 cm
Bone Rongeur Forceps,
double action



Ruskin 18 cm
Bone Rongeur Forceps,
double action, curved



Zaufal-Jansen 18 cm
Bone Rongeur Forceps,
double action



Rongeurs 17 cm
Bone Rongeur Forceps,
bajonet, # 18



42.404.16 # 5, 16.5 cm

42.406.14 # 5S, 14 cm

Cleveland
Bone Cutting Forceps



42.620.18 straight

42.621.18 curved

Ruskin-Liston 18.5 cm
Bone Cutting Forceps,
double action



3.0 mm

42.646.15

42.647.15

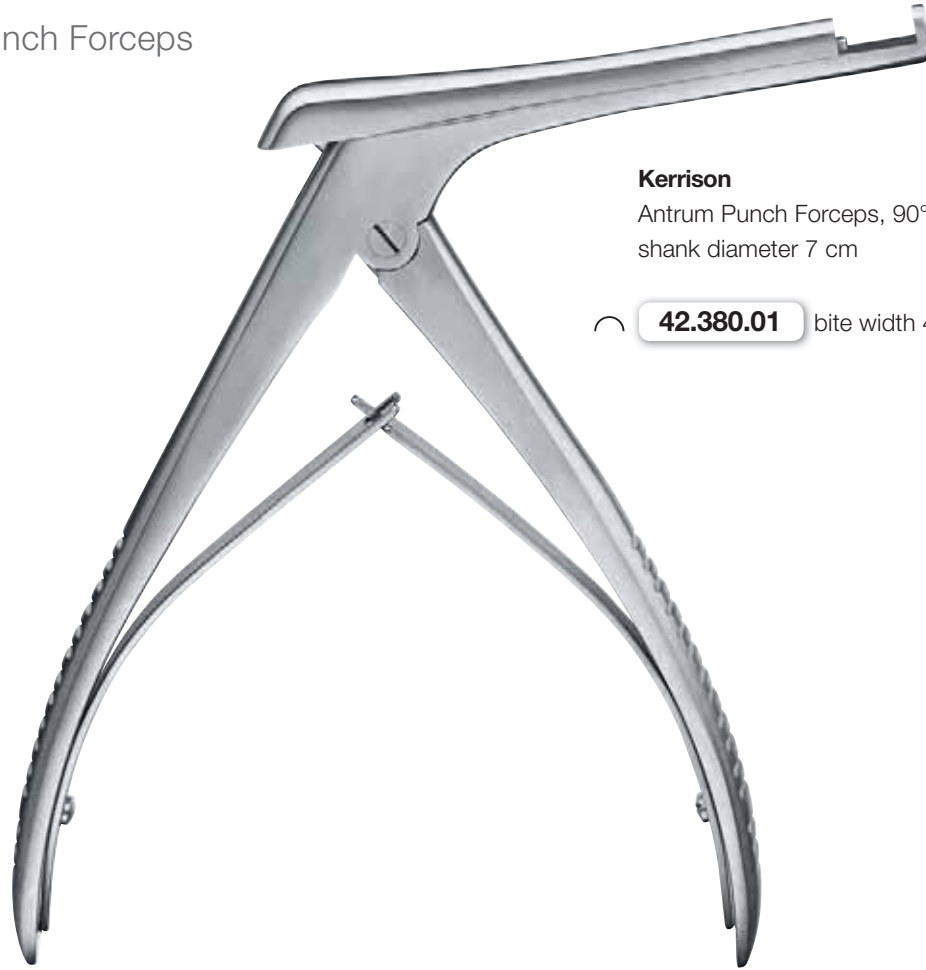
42.412.15

42.413.15

Böhler 15 cm
Bone Rongeur Forceps and Bone
Cutting Forceps, double action



Antrum Punch Forceps



Kerrison

Antrum Punch Forceps, 90°
shank diameter 7 cm

 **42.380.01** bite width 4 mm



Cohen Soft Tissue Nippers



46.482.10

Cohen 10 cm
Cohen Soft Tissue Nipper



46.484.10

Cohen 10 cm
Cohen Soft Tissue Nipper



ZEPF Blade Holder

The **ZEPF** Drop-Control Blade Holder combines the design of the regular blade holder 46.007.00 with a new and revolutionary function. With reference to the mechanism of a ball pen, the blade will be dropped off by pushing the button at the end.

The object of this development was a simplified application with the same diameter of the blade holder. Therefore there is no need to adapt to a new application / ergonomics for our regular blade holder! The **ZEPF** 'Drop-Control' Blade Holder perfectly fits into our **ZEPF** Design product range for surgery, implantology and microsurgery thanks to its diameter, design and ergonomics.

By pressing the button at the end of the blade holder the mechanism which lifts the blade is triggered off. The blade is pushed forward so that it falls safely and controlled in a tray or cup.

Controlled dropping off the blade

Afterwards the one-hand ejection function moves back in its initial position. After cleaning and sterilization you can insert a new blade – as usual.

The advantage lies in the fact that the used blade can be removed in a safe and controllable way in order to prevent a contaminated injury or infection.



PATENT PENDING

46.007.02

Drop-Control



Scalpel Blades

Supplied in packs of 100 pieces, sterile



10

46.014.10



11

46.014.11



12

46.014.12



12d

46.014.12D



15

46.014.15



15c

46.014.15C



46.007.00 Scalpel Handle **ZEPP**-Line, straight, for blades # 10 -15, 14.5 cm



46.007.01 Scalpel Handle, **ZEPP**-Line, angled, for blades # 10 -15, 14.5 cm



46.007.40 Parallel Blade Holder, **ZEPP**-Line, distance 1.5 mm

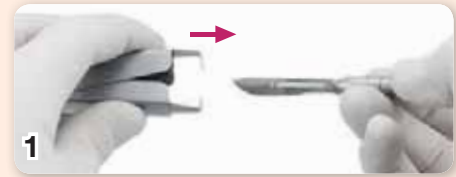
46.007.45 Parallel Blade Holder, **ZEPP**-Line, distance 2.0 mm



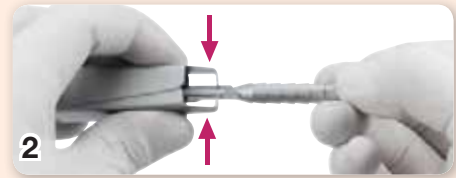
Safety Blade Remover

46.005.65

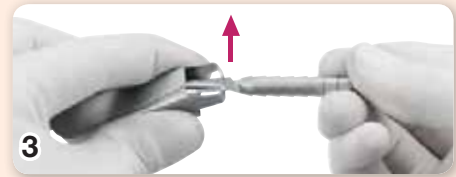
This practical tool allows safe replacing of scalpel blades.



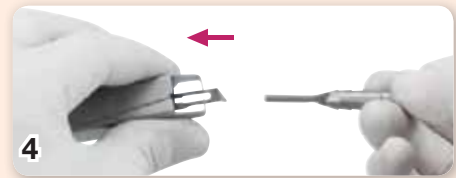
1 Place the blade remover



2 Press the blade remover



3 Lever the blade upwards



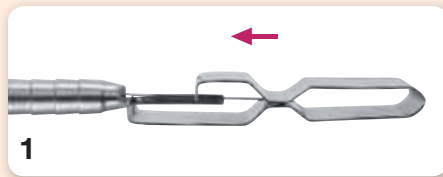
4 Pull the blade forward and throw it in a containment



Klingex

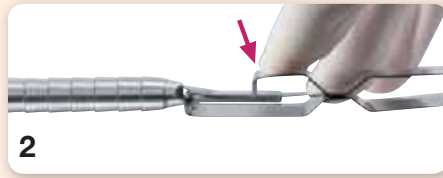
46.005.70

Safety Blade Remover



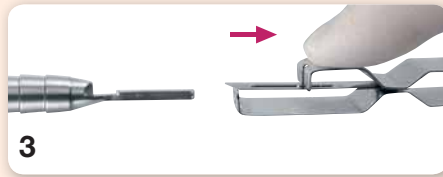
1

Place the blade



2

Lift the blade by pressing



3

Pull the blade forward

Micro Surgical Scalpel Blades

Supplied in packs of 100 pieces, sterile



63

46.016.03



64

46.016.04



67

46.016.07



69

46.016.09



46.013.05Z Scalpel Handle, titanium, ZEPF-Line, light weight, for blades # 10-15, 13 cm



46.013.00Z Micro Surgical Scalpel Handle, titanium, ZEPF-Line, 13 cm | **46.013.05** stainless steel



46.010.03 Scalpel Handle, # 3, massive, 12.5 cm



ZEPF -Line Instruments

By PD Dr. Weng, 17.5 cm



Papillex by PD Dr. Weng, Papilla Elevator, exchangeable

46.035.05



Papilla Elevator for preparation of fine soft tissue structures, inserts, exchangeable

46.035.00

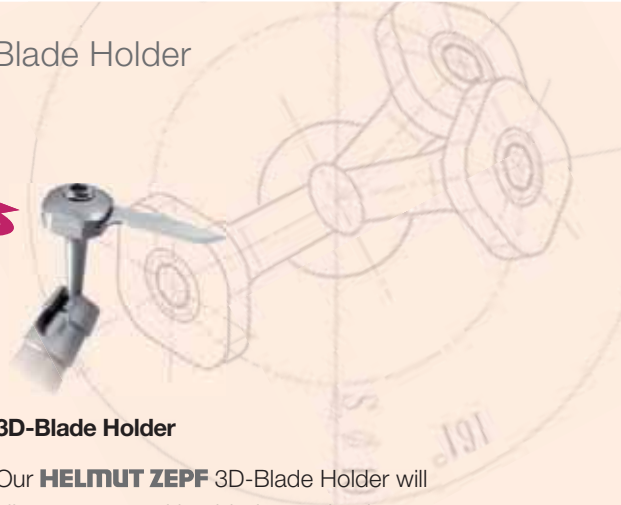


Gingiva-Retractor

41.864.20



ZEPF 3D-Blade Holder



3D-Blade Holder

Our **HELMUT ZEPF** 3D-Blade Holder will allow you to position blades easier than ever before!

In designing this blade holder, particular attention was devoted to make it easy to use, clean and sterilize.



46.007.05

3D-Blade Holder Handle
ZEPF-Line, 12.5 cm

46.007.50

Pivoted Head for 3D-Blade Holder, exchangeable, incl. Allen key M2.5



46.007.10

3D-Blade Holder Handle with Pivoted Head, 12.5 cm

Attachments by Dr. Hildebrand, Berlin

Blade Holder



46.007.20

For standard blades # 10-15

Gingiva-Retractor



46.007.30

small



46.007.31

big



ZEPF Onyx Scissors




The Onyx coating offers a 3-5 times higher surface hardness compared to traditional scissors. In combination with the "Supercut" grinding (see page 06-34), this guarantees an extremely long product life and application as well as a very high precision and attrition resistance.

The extraordinary surface smoothness is leading to an easy slide of the scissor blades even under highest strain. Due to the physical / chemical combination of the coat, no undesirable reaction will be caused during sterilization or appliance of solvents. Furthermore, the anti-glare surface avoids disturbing light deflections.

For further information on the illustrated scissors, please refer to the following pages.

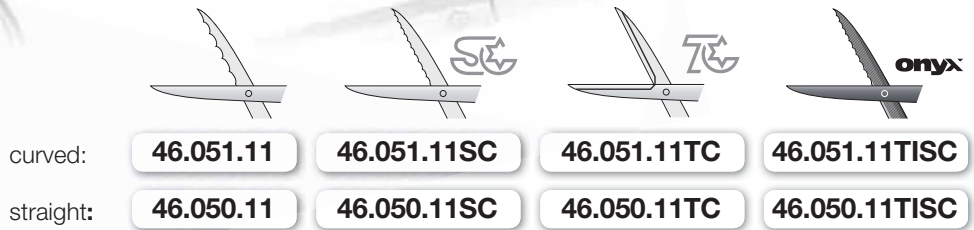
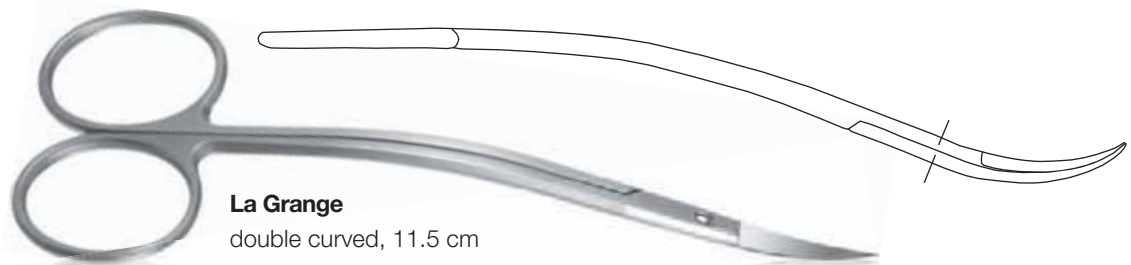
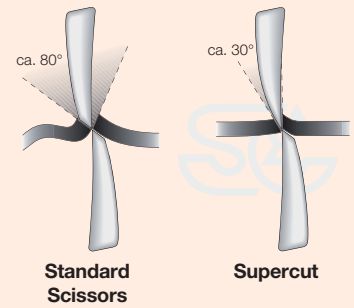


What is  ?

SC stands for "Supercut" and means that scissors with that designation have been specially ground, not only to make them sharper than ordinary scissors, but yields a much better cutting angle (cf. the accompanying illustrations).

What is  ?

TC stands for "Tungsten Carbide", a material whose superior strength wear resistance and hardness are its major properties that distinguish it from conventional materials.



Fine Preparation Scissors

The curved blunt Preparation Scissors are used for preparation in the least traumatic way of separating tissue into connective tissue layers.

The surgeon pushes the scissors parallel to the skin or to the level of the layers which should be separated (picture 2), opens and pulls them back opened. The tissue layers are separated by spreading movements of the scissor blades and the required layer is open (picture 3). The point of the scissors is usually facing the less sensitive structures.

Only the second usage of the preparation scissors is to cut.



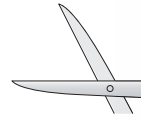
1



2



3

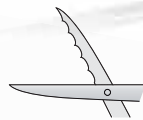


46.069.11

Fine Preparation Scissors
curved, 11.5 cm



Goldman-Fox
curved, 13 cm



curved: **46.201.13**



46.201.13SC



46.201.13TC



46.201.13TISC

straight:

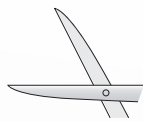
46.200.13

46.200.13SC

46.200.13TC



Dean
Howard Müller, 17 cm



46.121.17



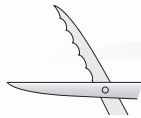
46.123.17



Scissors



Locklin Scissors
serrated, offset tips, 16 cm



46.111.16



46.111.16SC



Kelly Scissors
curved, serrated, 16 cm



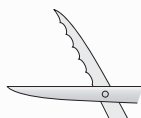
46.077.16



46.077.16SC



Metzenbaum Preparation Scissors
1, blunt/blunt, curved, 14 cm



46.431.14



46.431.14TISC

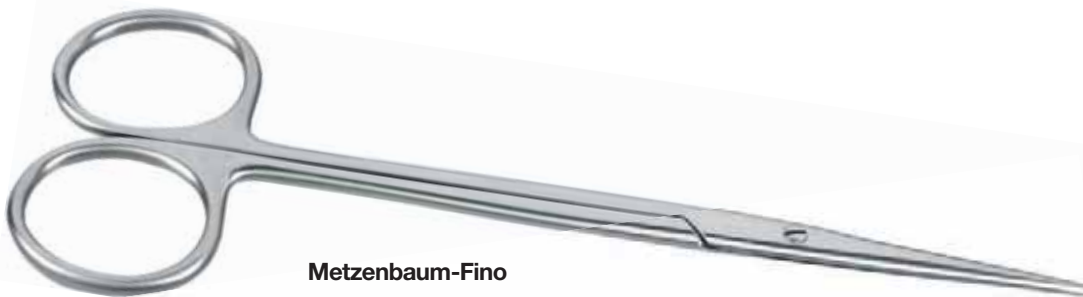




Tower Point Scissors
tapered tips, curved, 12 cm



46.221.12

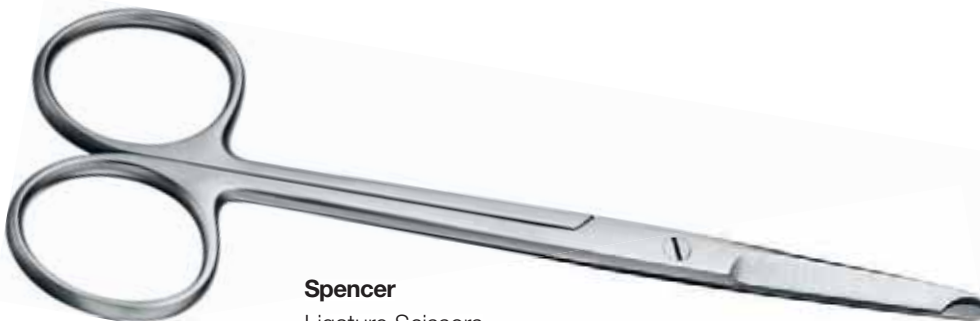


Metzenbaum-Fino
blunt/blunt, round, 14.5 cm



straight: **46.516.14**

curved: **46.517.14**



Spencer
Ligature Scissors



9 cm: **46.640.09**

13 cm: **46.640.13**





Surgical Scissors
2, straight, blunt / blunt

13 cm:

46.402.13

14.5 cm:

46.402.14



Surgical Scissors
3, straight, pointed / pointed

13 cm:

46.404.13

14.5 cm:

46.404.14



Universal Crown Scissors
12 cm



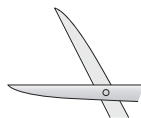
46.685.12



46.885.12TC



Beebee
Crown Scissors,
straight, pointed, 10 cm



46.674.10



Beebee
Crown Scissors,
curved, pointed, 10 cm



46.675.10

Needle Holder

Lichtenberg

The inner facings of the blades of our Lichtenberg Needle Holders are especially constructed with a scooped-out design to reduce weight to a minimum. This also improves the balance.



Lichtenberg-Ryder 3/0 - 4/0
straight, with detent and latching mechanism



17 cm: **41.318.17TC**



17 cm: **41.317.17TC**



Mathieu 2/0 - 4/0
straight with TC



14 cm: **41.310.14TC**

17 cm: **41.310.17TC**

Mathieu 3/0 - 4/0
straight without TC



14 cm: **41.262.14**

17 cm: **41.262.17**



14 cm: **41.264.14**

17 cm: **41.264.17**

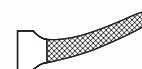


Langenbeck-Ryder 2/0 - 4/0
straight, TC, suture slot



16 cm: **41.368.16**

18 cm: **41.368.18**



16 cm: **41.369.16**

18 cm: **41.369.18**

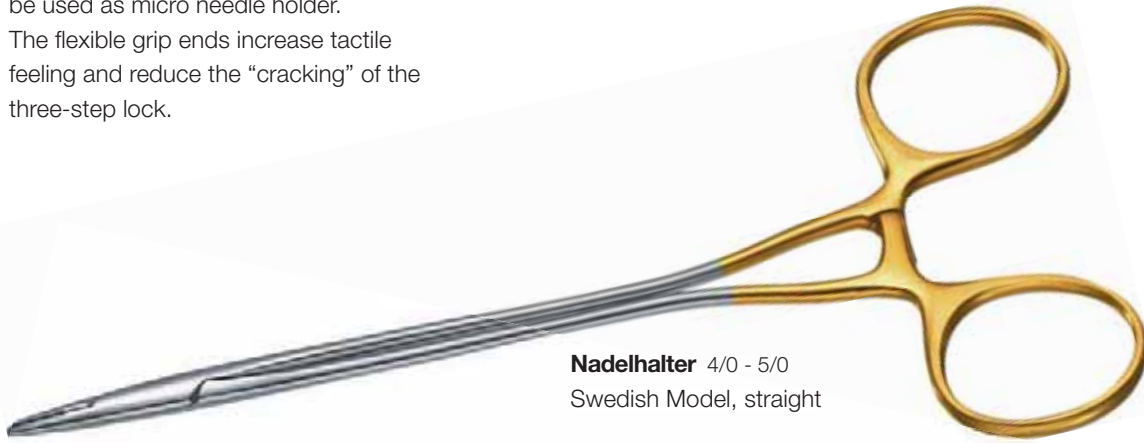


Needle Holder

Swedish Model

A very fine needle holder which can also be used as micro needle holder.

The flexible grip ends increase tactile feeling and reduce the "cracking" of the three-step lock.



Nadelhalter 4/0 - 5/0
Swedish Model, straight



15 cm: **41.246.15TC**



Mayo-Hegar 3/0 - 4/0
straight



14 cm: **41.258.14TC**

16 cm: **41.258.16TC**

18 cm: **41.258.18TC**



14 cm: **41.256.14**

16 cm: **41.256.16**

18 cm: **41.256.18**





Surgical Aspirators

Curved, with slot against sucking in, 17.5 cm



19.649.15 Ø 1.5 mm

19.649.30 Ø 3.0 mm

19.649.50 Ø 5.0 mm



The specially bent Sinus-Line Aspirators with titanium tip were developed by Dr. Maty.

19.651.15 Surgical Aspirator, titanium tip, Ø 1.5 mm

19.651.30 Surgical Aspirator, titanium tip, Ø 3.0 mm



19.651.13 Surgical Aspirator, with slot, titanium tip, Ø 1.5 mm

19.651.14 Surgical Aspirator, with slot, titanium tip, Ø 3.0 mm



19.651.15M Surgical Micro Aspirator, titanium tip, Ø 1.5 x 15 mm, modified tip by Dr. Shakibaie-M.



99.130.00 Three-way Stopcock



Syringes and Cannulas



19.750.00

Metal Syringe, self-filling, with 1 cannula (Luer-Lock)



19.762.00

Cannula with Luer-Lock Connector



19.700.10

Cream Cannula, 1 mm, including catch and cleaning mandrel



19.700.00

Adjusting Screw with slot, compatible for all cartridge syringes



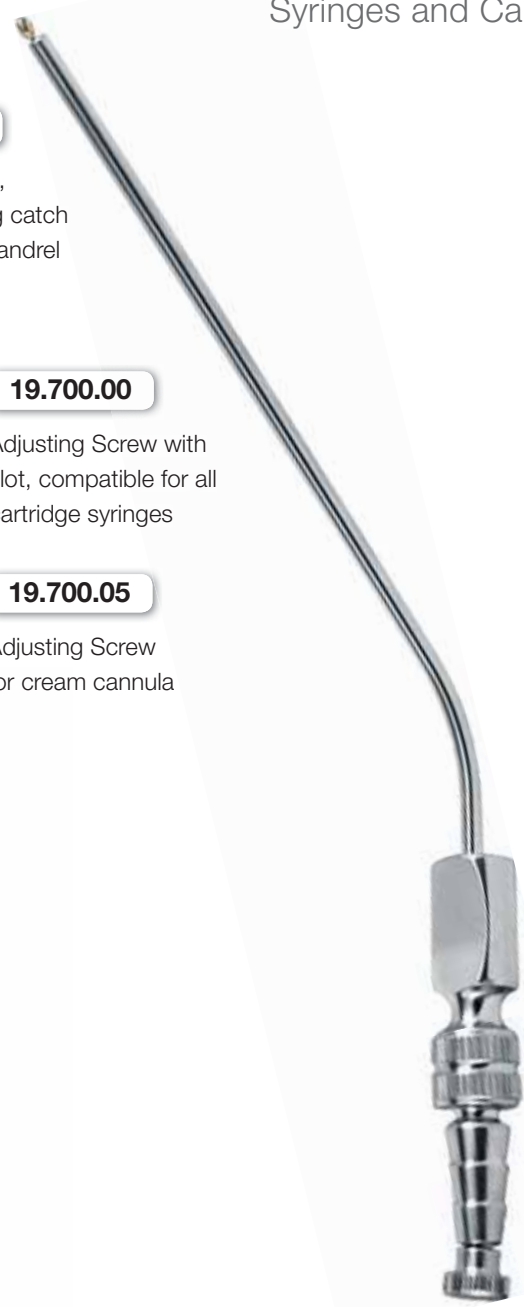
19.700.05

Adjusting Screw for cream cannula



19.710.18

Cartridge Syringe Breech-Loading-System, 3 aspiration hooks, 1.8 ml, with ring



Frazier

Suction Cannula, 18 cm

19.641.02 Ø 2 mm

19.641.03 Ø 3 mm

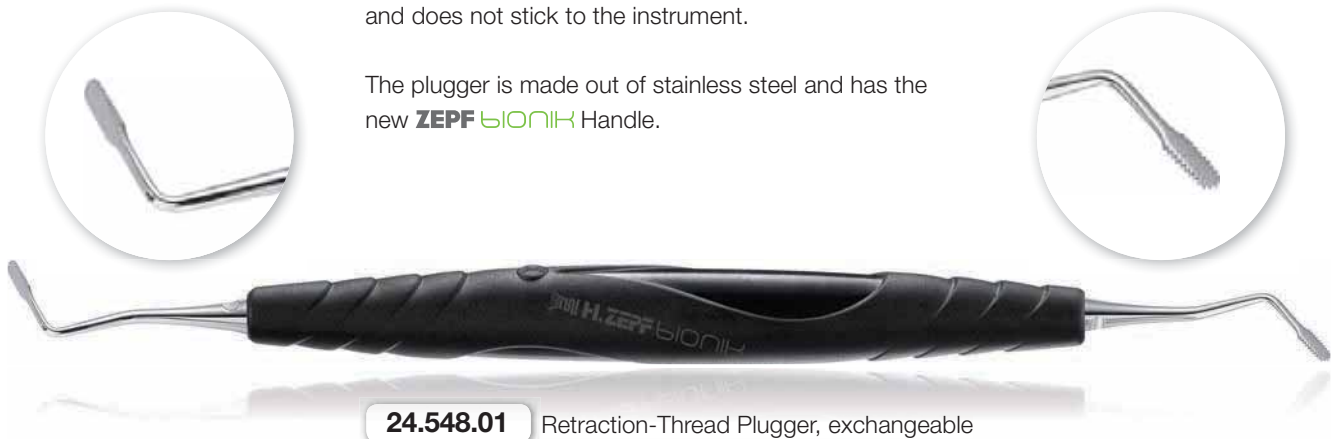


Retraction-Thread Plugger

The ergonomic curve of the instrument tips allows plugging of the thread even in difficult spots.

The notch at the tips make it substantially easier to tie the thread around the tooth, the thread remains in the pocket and does not stick to the instrument.

The plugger is made out of stainless steel and has the new **ZEPF BIONIK** Handle.



24.548.01 Retraction-Thread Plugger, exchangeable



Bowman Probes, buttoned, 13 cm, German Silver



19.572.00 # 00/0, Ø 0.7 mm and Ø 0.8 mm

19.572.12 # 1/2, Ø 0.9 mm and Ø 1.1 mm

19.572.34 # 3/4, Ø 1.3 mm and Ø 1.4 mm

Luniatschek



19.600.18 Cotton Plugger, 1.8 mm, fine, 17.5 cm



19.600.25 Cotton Plugger, 2.5 mm, wide, 17.5 cm



Universal Crown Scissors
12 cm



46.685.12



46.885.12TC

Miller Bone- & Alveolotomy File

Parallel cut, 17.5 cm



41.881.01 # 1

41.881.02 # 2



31.760.11

Wire Cutting Pliers,
max. 0.7 mm,
TC inserts,
12.5 cm





41.905.00 100 cm
Fracture Splint



41.914.16
Wire Sizing Pliers / Ligature Pliers,
16 cm, with TC inserts



41.916.15 15 cm

Wire Sizing Pliers / Ligature Pliers



41.917.15 15 cm

Wire Sizing Pliers / Ligature Pliers
with TC inserts



31.178.17 16.5 cm

Korkhaus Wire and Ligature Pliers



Mirrors for Interoral Photography

Titanium-coated front surface for very clear picture.



24.058.01

Mirror for adults,
palatal pictures,
width 6.8 cm



24.058.02

Mirror for children,
palatal pictures,
width 5.5 cm



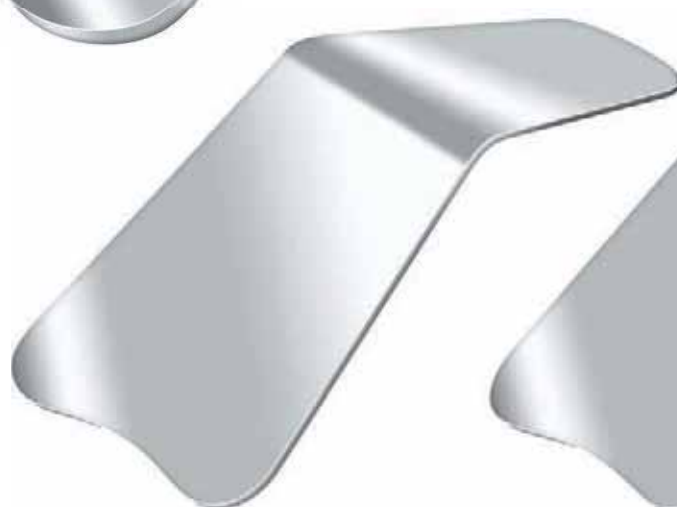
24.058.03

Mirror for lateral
pictures,
width 3.5 cm



24.058.04

Mirror for lingual
pictures,
width 5.4 cm



for occlusal pictures
Big Mirror, 6.8 cm



for lingual pictures
Small Mirror, 5.5 cm

24.058.10

1 pair of Mirrors,
stainless steel, polished





41.506.17

Mead Hammer with exchangeable Teflon inserts, 19 cm



41.500.17

Hammer, lead-filled, Ø 20 mm, 140 g, 16.5 cm

41.500.17M

Hammer, massive, Ø 20 mm, 130 g, 16.5 cm



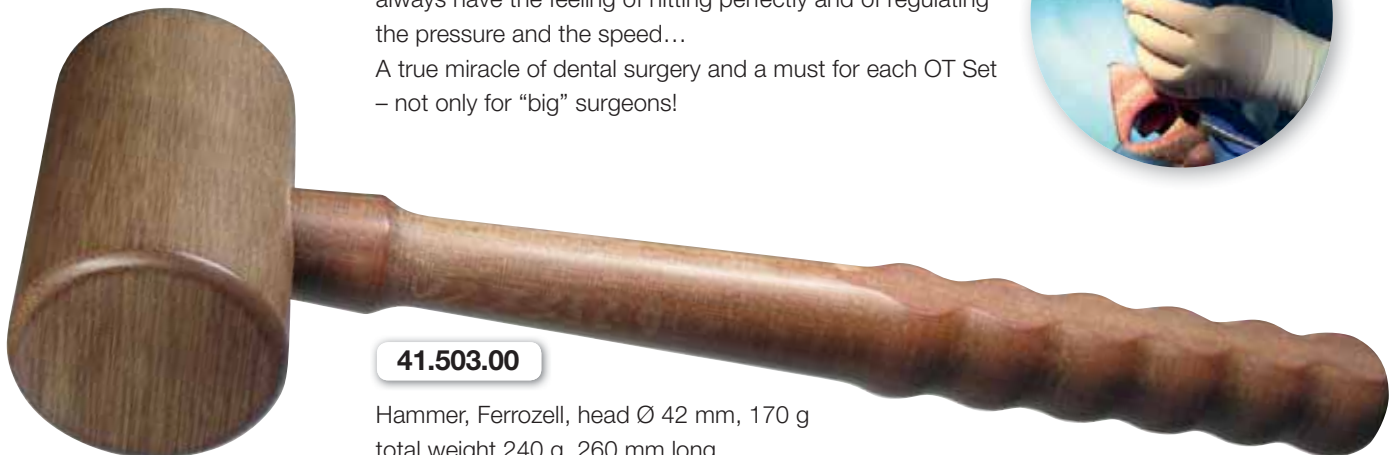
41.501.01

with exchangeable plastic inserts,
Ø 25 mm, light metal handle, by Dr. Vollmer

Hammer, Ferrozell

Big hammer lying perfectly in the hand. Due to its (woodlike) material consistency, it offers a superior feeling in osteotomizing. No feel of metal, no loosening plastic inserts – You always have the feeling of hitting perfectly and of regulating the pressure and the speed...

A true miracle of dental surgery and a must for each OT Set – not only for “big” surgeons!



41.503.00

Hammer, Ferrozell, head Ø 42 mm, 170 g
total weight 240 g, 260 mm long



0 0
inch cm
1
2
2 3
3 4
3 5
6
7
4 8
9
5 10
11
12
6 13
14
7 15
16
17
8 18
19
9 20



zepf-dental.com



VDDI
Dental Solutions.
German Manufacturers

MADE  IN GERMANY

Scale

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

06 ⁰⁶⁻⁵⁰ Oral Surgery

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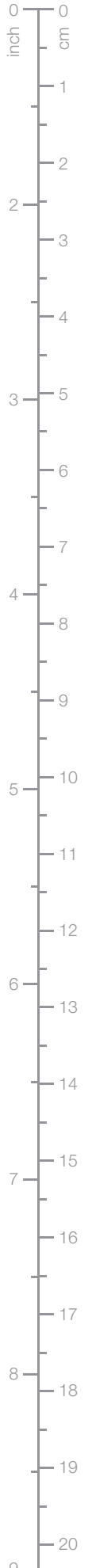
zepi-dental.com

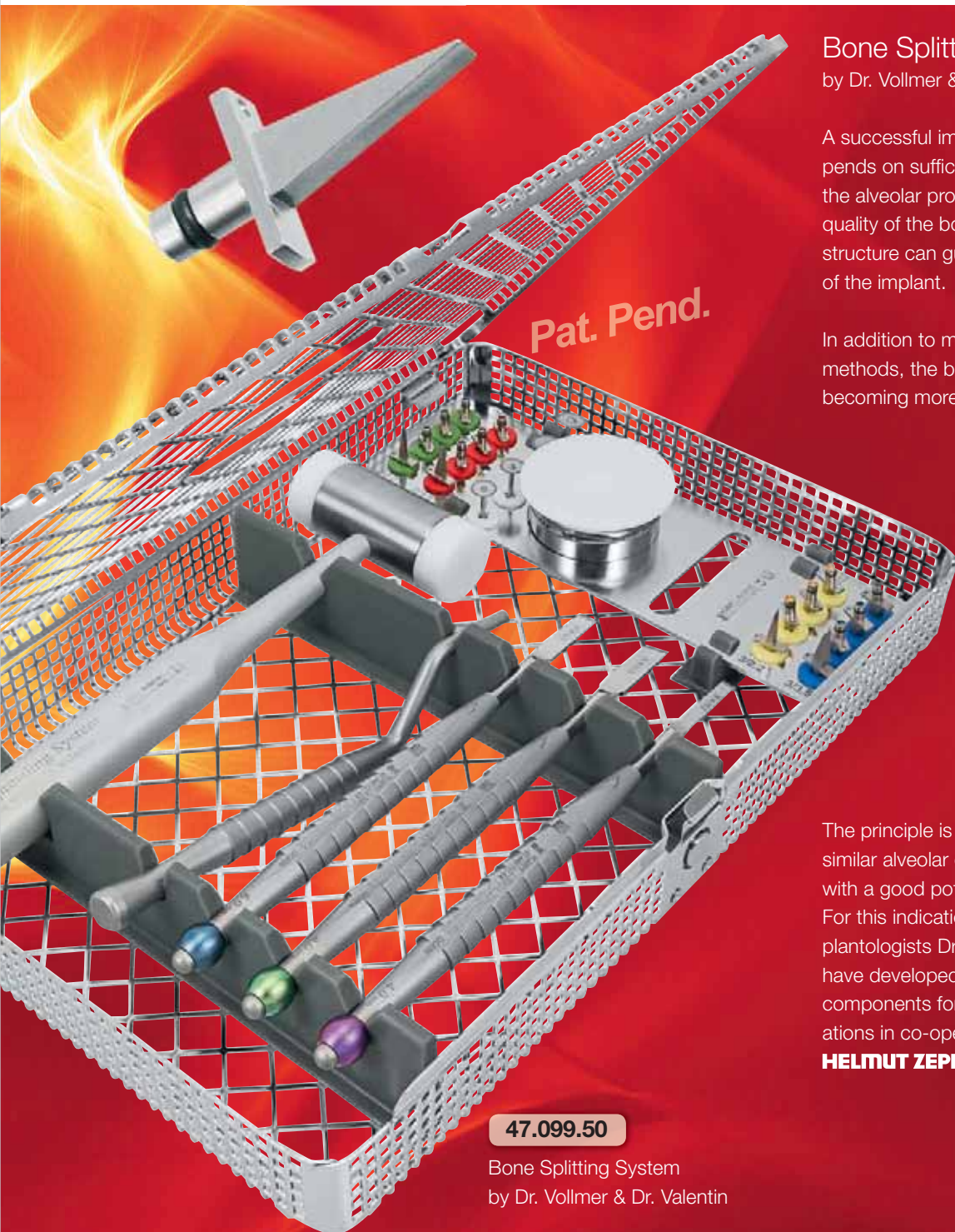


MADE IN GERMANY

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

Scale





Bone Splitting System

by Dr. Vollmer & Dr. Valentin

A successful implantation primarily depends on sufficient bone in the region of the alveolar process and especially on the quality of the bone. Only a stable bone structure can guarantee a safe anchorage of the implant.

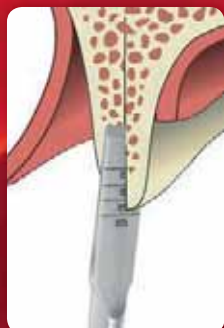
In addition to modern augmentation methods, the bone splitting technique is becoming more and more important.



The principle is based on the creation of a similar alveolar cavity in the maxillary crest with a good potential of regeneration. For this indication, the experienced implantologists Dr. Vollmer and Dr. Valentin have developed exactly adapted system components for different anatomical situations in co-operation with the company **HELMUT ZEPF**.

47.099.50

Bone Splitting System
by Dr. Vollmer & Dr. Valentin



Bone Splitting System

by Dr. Vollmer & Dr. Valentin

Pat. Pend.

At first, the maxillary crest which has become too small due to atrophy is being separated in its longitudinal direction by diamond discs. Thereafter, it is split carefully by means of chisels. In doing so, the lateral cortical bone lamellae are preferably displaced in labial direction.



After these preparatory steps, small wedges are inserted in the gap. In each case, two wedges are used as placeholders for the drilling of the implant bed and the insertion of the implant.

While drilling, the bone lamellae are reliably prevented from springing back. Upon insertion of the implants and removal of the inter-implantary wedges, the remaining gaps can be filled with augmentation material in order to allow an augmentation and, in opportune cases, an immediate and simultaneous implantation.

47.949.11 Pointed Chisel 4 mm



47.949.12 Pointed Chisel 6 mm



47.949.13 Pointed Chisel 8 mm

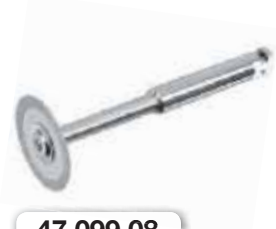


Hammer

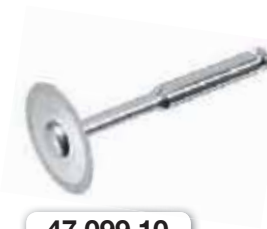


41.501.01 by Dr. Vollmer
Hammer with light metal handle and exchangeable plastic inserts Ø 25 mm

Separating Discs



47.099.08
Separating Disc Ø 8 mm



47.099.10
Separating Disc Ø 10 mm

Wedge Applicator



47.099.20 Wedge Applicator



Inter-Implantatory Wedges



47.099.31
Wedge 2 mm / 2.2 mm, green



47.099.32
Wedge 2 mm / 3.5 mm, red



47.099.33
Wedge 3 mm / 2.2 mm, yellow

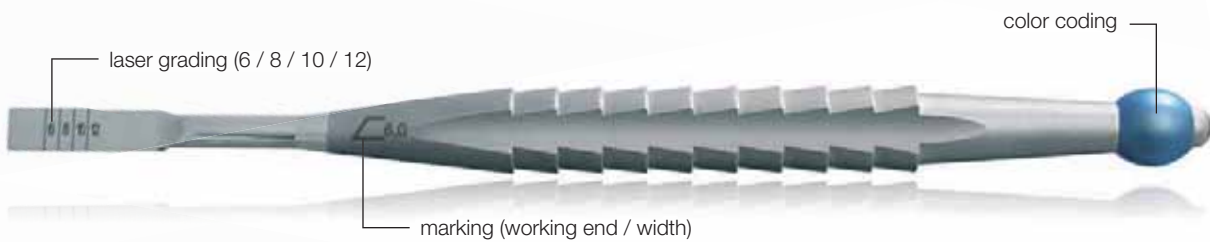


47.099.34
Wedge 3 mm / 3.5 mm, blue

Bone Fitting Set

by Dr. Hohl & Dr. Hildebrand




Bone chisels are used to gain bone chips, to shape bone structures and to widen bones from cranial side. The pointed chisels are used for the first widening of the maxillary crest. The flat chisels smoothen and shape bone structures.






47.949.95

Bone Fitting Set:



-  **47.949.11** (4.0 mm)
-  **47.949.12** (6.0 mm)
-  **47.949.13** (8.0 mm)



-  **47.949.21** (4.0 mm)
-  **47.949.22** (6.0 mm)
-  **47.949.23** (8.0 mm)



Bone Condensing Set

nach Dr. Hohl & Dr. Hildebrand

During implant preparation, osteotomes are used instead of rotating instruments as they do not cause any loss of bone substance. They come with concave or rounded tool ends.








As a result of condensing local bone material, they maintain the bone substance, thus providing an optimised primary stability of the inserted implants. The lateral and apical condensation of the bone is achieved by pressing, turning and, as the case may be, by using a hammer for tapping the osteotomes into the bone.



47.949.90

Bone Condensing Set:



-  **47.949.01** (Ø 1.3 - 2.0 mm)
-  **47.949.02** (Ø 2.0 - 2.8 mm)
-  **47.949.03** (Ø 2.8 - 3.3 mm)
-  **47.949.04** (Ø 3.3 - 3.8 mm)
-  **47.949.05** (Ø 3.8 - 4.3 mm)
-  **47.949.06** (Ø 4.3 - 5.0 mm)
-  **47.949.07** (Ø 5.0 - 6.0 mm)

Osteotome Set

47.940.00

Osteotome Set, straight

47.940.01

Osteotome Set, angulated

always including

85.180.00

Washtray 1/1,
for max. 16 hand instruments
incl. 2 silicone rubbers and instrument
retainer, 275 x 178 x 24 mm



Widener straight

47.940.50 Ø 5.0 straight (for 5.0)

47.940.60 Ø 6.0 straight (for 6.0)

Widener angulated

47.941.50 Ø 5.0 angulated (for 5.0)

47.941.60 Ø 6.0 angulated (for 6.0)



concave straight

47.942.20 Ø 2.0 (for 2.0)

47.942.28 Ø 2.3 / 2.8 (for 2.8 / 3.3)

47.942.33 Ø 2.8 / 3.3 (for 3.3 / 3.8)

47.942.38 Ø 3.4 / 3.8 (for 4.3)

47.942.43 Ø 3.9 / 4.3 (for 5.0 / 6.0)

concave angulated

47.943.20 Ø 2.0 (for 2.0)

47.943.28 Ø 2.3 / 2.8 (for 2.8 / 3.3)

47.943.33 Ø 2.8 / 3.3 (for 3.3 / 3.8)

47.943.38 Ø 3.4 / 3.8 (for 4.3)

47.943.43 Ø 3.9 / 4.3 (for 5.0 / 6.0)



convex straight

47.944.20 Ø 2.0 (for 2.0)

47.944.28 Ø 2.3 / 2.8 (for 2.8 / 3.3)

47.944.33 Ø 2.8 / 3.3 (for 3.3 / 3.8)

47.944.38 Ø 3.4 / 3.8 (for 4.3)

47.944.43 Ø 3.9 / 4.3 (for 5.0 / 6.0)

convex angulated

47.945.20 Ø 2.0 (for 2.0)

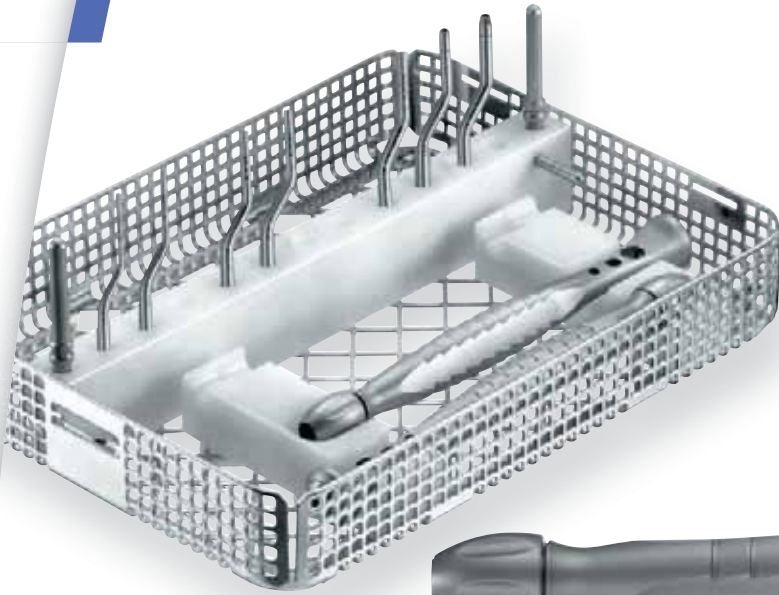
47.945.28 Ø 2.3 / 2.8 (for 2.8 / 3.3)

47.945.33 Ø 2.8 / 3.3 (for 3.3 / 3.8)

47.945.38 Ø 3.4 / 3.8 (for 4.3)

47.945.43 Ø 3.9 / 4.3 (for 5.0 / 6.0)





Osteotome Set
with exchangeable inserts

47.961.00

- 1 x washtray 85.184.26
- 2 x handle 17.700.00
- 12 x insert (as illustrated)

See pages 10-01 to 10-05
for washtrays, washbaskets
and Tray-in-Tray-System!



17.700.40



17.700.00 Handle for exchangeable inserts



47.961.20

17.700.45 Clamping Screw



convex	concave	measure	depth	grading
47.961.20	47.962.20	Ø 2.0 mm	20 mm (for 2.0)	9/11/13/16
47.961.28	47.962.28	Ø 2.0 - 2.8 mm	20 mm (for 2.8)	9/11/13/16
47.961.33	47.962.33	Ø 2.8 - 3.3 mm	20 mm (for 3.3 / 3.8)	9/11/13/16
47.961.38	47.962.38	Ø 3.4 - 3.8 mm	20 mm (for 4.3)	9/11/13/16
47.961.43	47.962.43	Ø 3.9 - 4.3 mm	20 mm (for 5.0 / 6.0)	9/11/13/16
47.963.50	47.962.50	Ø 5.0 mm	20 mm (for 5.0)	-
47.963.60		Ø 6.0 mm	20 mm (for 6.0)	-

Hollow Cylinder Osteotomes by Dr. Vollmer & Dr. Valentin

With the ejector, which will be positioned at the distal end, the gained bone material can be implanted efficiently in another place. Comparable with solid osteotomes it comes to a condensing of the bone in order to get a better primary stability for the implant in a spongy-bone region.



47.750.03 Ø 3 mm

47.750.04 Ø 4 mm



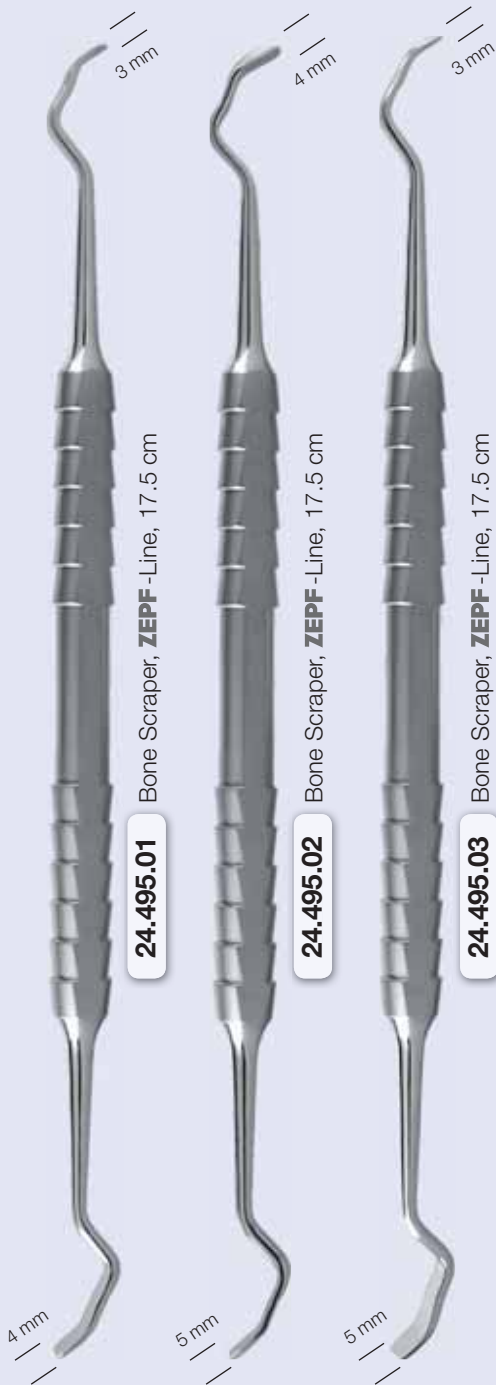
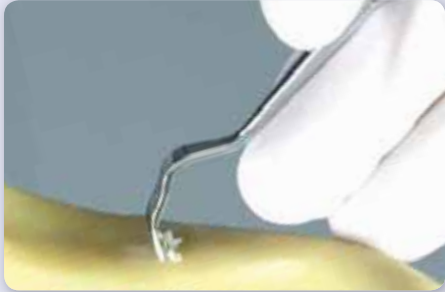
47.750.13 Ejector Ø 3 mm

47.750.14 Ejector Ø 4 mm



Back Action Chisel

Modified as Bone Scraper in different widths, to gain autologous bone during operation.



24.495.01 Bone Scraper, ZEPF-Line, 17.5 cm

24.495.02 Bone Scraper, ZEPF-Line, 17.5 cm

24.495.03 Bone Scraper, ZEPF-Line, 17.5 cm

Bone Scraper

Winning of autologous bone transplantation.

In the oral surgery bone replacements and bone structures are often combined with autologous bone pieces during augmentations in order to use their osteoinductive effect. The Bone Scraper is the perfect instrument for the easy and quick winning of autologous bone structures. It enables you to scrape, collect and transplant the patient's own bone. Everything can be done without the usage of any bone filter, trephine bur, saw or bone mill.

The blade makes a winning of cortical and spongiose bone possible. The bone is collected in a chamber during the scraping and at the same time the bone is being mixed with blood. The bone material can be implanted directly out of the Bone Scraper which has been sterilized before.



47.957.00 Ø 10 mm, ZEPF-Line, in closed position, 15.6 cm

Open position, the bone material can easily be taken out of the chamber

View from the top

47.959.00 Ø 10 mm, ZEPF-Line, 20° curved, 15.6 cm



Spare blades



47.957.01 for 47.957.00

47.959.01 for 47.959.00

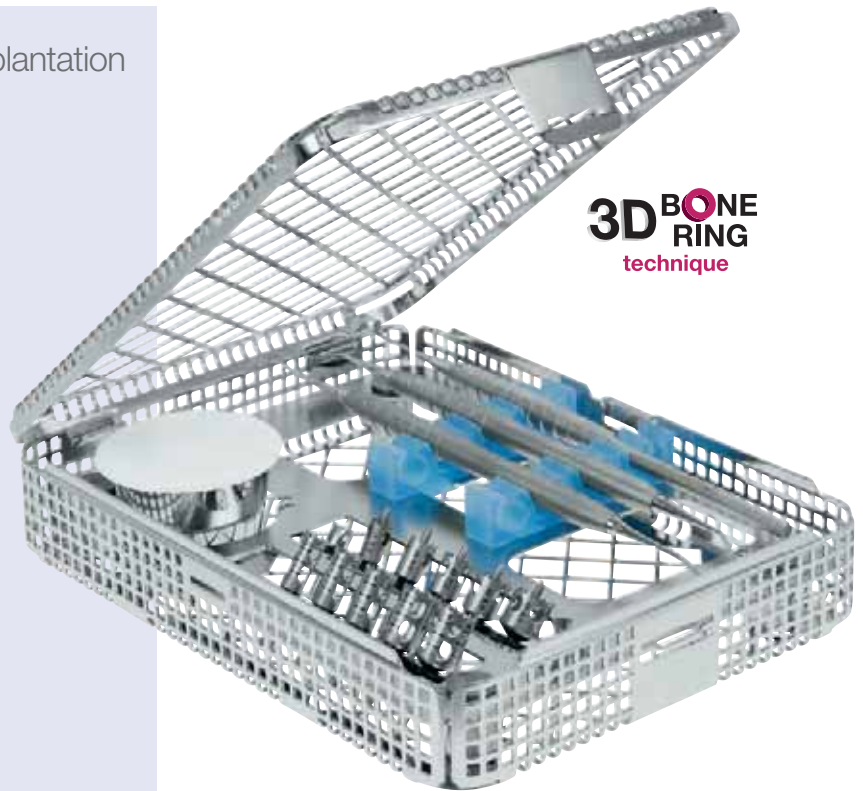
3D One Step Augmentation & Implantation

by Dr. Bernd Giesenhagen

In co-operation with Dr. Giesenhagen, the company **HELMUT ZEPF** has developed a new Set for the One Step Vertical Augmentation with ring-shaped bone transplants.

The aim of this development is an accelerated implant treatment. Thereby, the security of the implantological success as well as the convincing result for the patient and the user have priority. In many cases, this new augmentation method can be used to build up the bone base for the insertion of one or more implants.

Particularly suitable for the vertical augmentation of the highly atrophied and distal mandible (pic. 2). With this newly introduced technique, perfectly fitting ring-shaped bone transplants are removed from the chin-, retro-molar region or from the palatal area (pic. 1) by means of trephines and fixed immediately in the receiving area with a screw implant.



47.500.31

Complete Set
incl. 1 x washbasket
85.184.18
and instruments
(page 07-09)



Dr. Bernd Giesenhagen, the inventor of this procedure, and **HELMUT ZEPF** have selected a special range of instrumentation for precise and time-saving steps of treatment in order to ensure an optimal function.

Application

The local cortical bone structure with spongy parts of vital cells guarantees a safe fixation with short healing time.

The filling of possibly existing cavities is usually made by spongy chips taken from the donor area or by bone substitutes.

For an additional coverage of the augmented area with a barrier membrane we recommend our **HELMUT ZEPF** Augmentation Kit 47.966.00.

3D One Step Augmentation & Implantation by Dr. Bernd Giesenhagen



47.520.22 Adenoid Curette Ø 3 mm, 30° angled, double-ended



47.520.23 Adenoid Curette Ø 3 mm



47.520.25 Ring Breaker, small/large, double-ended



Trepines, short

08.910.13S inner Ø 5 mm

08.910.08S inner Ø 6 mm

08.910.09S inner Ø 7 mm

08.910.10S inner Ø 8 mm

08.910.11S inner Ø 9 mm



Trepines, with fixation support

08.910.13F inner Ø 5 mm

08.910.08F inner Ø 6 mm

08.910.09F inner Ø 7 mm

08.910.10F inner Ø 8 mm

08.910.11F inner Ø 9 mm



08.910.22

Plain Milling Cutter Ø 6 mm



85.251.04

Mixing Cup, stainless, with POM Lid, Ø 4 cm



47.099.25

Ring Applicator for rings with Ø 5 and Ø 7 mm, extendable to Ø 9 mm by means of a metal ring – see article 47.099.26



47.099.26

Metal Ring for Ring Applicator 47.099.25 – for holding bigger bone rings with Ø 9 mm



Trephines

Trephines are used for a gentle and precise removal of an implant. They are used to win bone texture and to excavate implants accurately. The trephines are manufactured out of stainless steel. The grading is visibly laser-marked onto the burs and guarantees a secure depth orientation.

The windows in the body offer a better view for the excavation of the implants and make it easier to reject fragments. The bur stand offers a safe and perfectly clean storing and easy positioning through a snap-in system.

The marking of the rack allows a fast and uncomplicated identification of the trephines.



08.910.10

	Ø Inside	Ø Outside	Teeth	Body Length	Grading
08.910.01	1.7 mm	2.3 mm	7	22 mm	7/10/13/16
08.910.02	2.3 mm	2.8 mm	7	22 mm	7/10/13/16
08.910.03	2.8 mm	3.3 mm	9	22 mm	7/10/13/16
08.910.04	3.3 mm	3.8 mm	9	22 mm	7/10/13/16
08.910.05	4.0 mm	4.5 mm	11	22 mm	7/10/13/16
08.910.06	4.3 mm	4.8 mm	11	22 mm	7/10/13/16
08.910.07	4.8 mm	5.8 mm	9	22 mm	7/10/13/16
08.910.13	5.0 mm	6.0 mm	11	22 mm	7/10/13/16
08.910.08	6.0 mm	7.0 mm	12	22 mm	7/10/13/16
08.910.09	7.0 mm	8.0 mm	18	22 mm	7/10/13/16
08.910.10	8.0 mm	9.0 mm	18	22 mm	7/10/13/16
08.910.11	9.0 mm	10.0 mm	18	22 mm	7/10/13/16
08.910.12	10.0 mm	11.0 mm	19	22 mm	7/10/13/16



Bur Stand for Trephines



85.070.01 8.5 x 5.0 cm

for 6 burs, shaft Ø 2.35 mm

85.070.05 8.5 x 4.5 cm

for 6 short burs, shaft Ø 2.35 mm



08.912.75

	Ø Inside	Shaft	Description
08.911.30	3.0 mm	2.35 x 15 mm	Trephine short
08.912.50	5.0 mm	2.35 x 15 mm	Trephine short
08.912.75	7.5 mm	2.35 x 15 mm	Trephine short
08.912.10	10.0 mm	2.35 x 15 mm	Trephine short

Mucosa Membrane Punches suitable for hand piece (Dimensions are the inner diameter)



85.070.05 Suitable Bur Stand

for 6 Mucosa Membrane Punches



08.920.06

08.920.03	Ø 3.0 mm	08.920.06	Ø 6.0 mm
08.920.04	Ø 4.0 mm	08.920.13	Ø 3.5 mm
08.920.05	Ø 5.0 mm	08.920.16	Ø 6.5 mm

ZEPF Bone Crusher

This Bone Crusher introduces a well-experienced alternative to the bone mill which requires considerably more effort. Insert the bone piece into the crusher and use the pestle in order to crush the bone. If necessary, you may additionally use the hammer 41.509.00.



47.955.00

Bone Crusher, Body, Sleeve, Pestle, Baseplate Ø 20 mm, stainless steel



47.955.10

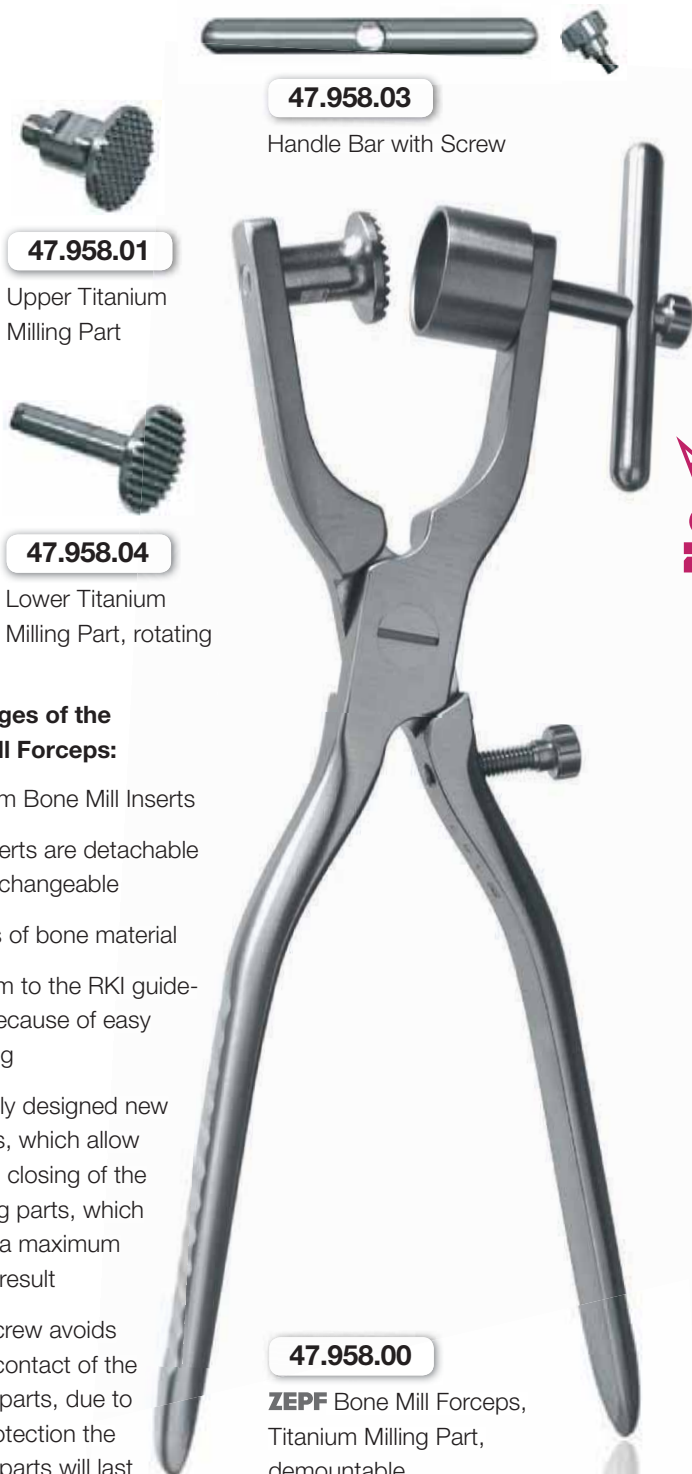
Teflon Support for Bone Crusher

After using the hammer, turn the pestle 90° and crush again. With this movement the cutting edge is turned on the bone. After that, the desired result should be achieved.

Bone Mill Forceps

For gaining autogenic bone material.

In order to correct bone defects, an intraoral harvesting of bone is often necessary. Pieces of bone may be gained with trephines or chisels. It is the aim of the Bone Mill Forceps to cut bone material into small pieces so that a maximum volume of bone chips can be achieved. The “grainy” consistency of bone chips created will ensure that it is adapted most favourably to osseous embedding.



47.958.03

Handle Bar with Screw

47.958.01

Upper Titanium Milling Part

47.958.04

Lower Titanium Milling Part, rotating

Advantages of the Bone Mill Forceps:

- Titanium Bone Mill Inserts
- Mill Inserts are detachable and exchangeable
- no loss of bone material
- conform to the RKI guidelines because of easy cleaning
- specially designed new forceps, which allow parallel closing of the working parts, which allows a maximum milling result
- stop screw avoids direct contact of the milling parts, due to this protection the milling parts will last longer

47.958.00

ZEPF Bone Mill Forceps, Titanium Milling Part, demountable



ZEPF *bonemill* () ()



47.954.01

ZEPF Bone Mill,
to crush autologous bones,
with helically toothed milling part

47.954.55

Extension Bar for the
rotary handle 47.954.50,
to increase the lever
effect

47.954.35

Helically toothed Milling Part

for Bone Mill 47.954.01 and to be mounted in 47.954.00 / 47.954.01
(This new milling part can be ordered and subsequently be mounted
in an older type of Bone Mill by the user himself).

ZEPF Bone Mill

Bone Mill, to crush autologous bones. To correct bone defects, often an interior bone removing on another place is necessary. Bigger bone pieces or boneblocks can be removed by using trephines.

The **ZEPF** Bone Mill allows to crush bone in order to produce the greatest possible volume of bone graft. The grainy consistence of the produced bone graft guarantees an optimal adaption on the bone.

The extension bar which can be adapted on the rotary handle facilitates an optimized power transmission and torque. The new Bone Mill with helical toothed milling part makes milling easier.

Advantages of the HELMUT ZEPF Bone Mill:

- easy handling
- quick assembly / disassembly without additional tools
- no loss of bone material (even in the case of small quantities)
- easy cleaning

Sinus Elevators

by Dr. Meiselbach

The 3 Sinus Elevators by Dr. Meiselbach enable a gentle and atraumatic sinus floor elevation in all areas.

Due to their special shaping the Elevators are an ideal addition to the Universal Sinus Instruments.



41.848.51 Sinus Elevator 1 by **Dr. Meiselbach**, 2.3 mm, blunt



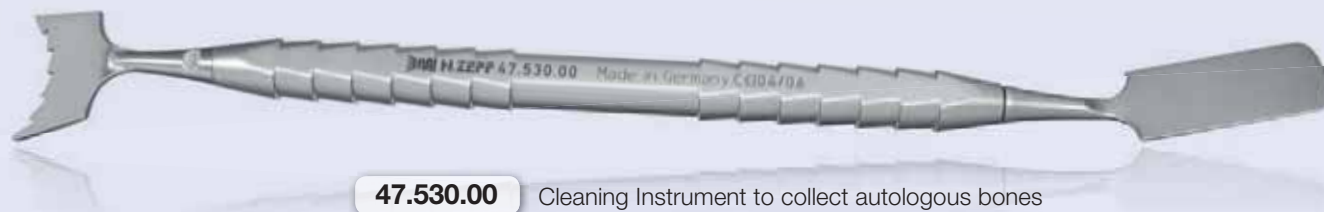
41.848.52 Sinus Elevator 2 by **Dr. Meiselbach**, 3.0 mm / 2.3 mm, blunt



41.848.53 Sinus Elevator 3 by **Dr. Meiselbach**, 2.3 mm, blunt



41.868.07 Plugger by Kirsch, Titanium **ZEPF-Line**, Sinus 7, double-ended, 17.5 cm, Spoon 8 x 10



47.530.00 Cleaning Instrument to collect autologous bones

Universal Sinus Instruments

For implantological treatment in the maxilla, in case of missing vertical bone in the direction of sinus maxillaris.

Advantages:

- angled instruments ergonomically and anatomically optimised
- preparation and lifting the sinus mucosa possible in an atraumatic way
- effective working possible due to a wide range of different angles



41.848.01

Sinus Elevator, double-ended, 4.8 mm / 4.2 mm, blunt



41.848.02

Sinus Elevator, double-ended, 6.5 mm / 4.0 mm, sharp



41.848.03

Sinus Elevator, double-ended, 7.3 mm / 8.0 mm, sharp



41.848.05

Sinus Elevator, double-ended, 4.4 mm / 8.5 mm, blunt



41.848.08

Sinus Elevator, double-ended, 4.2 mm / 3.6 mm, blunt



41.847.00

Sinus Lift Instrument Set
for microscopically guided elevation
of the sinus bottom Dr. Shakibaie-M.
incl. 1 x washbasket 85.195.00
and instruments illustrated on page
07-16 /17



Microsurgical Sinus Lift Instruments

For microscopically guided elevation of the sinus bottom by Dr. Behnam Shakibaie-M.

For the development of the new microsurgical sinus lift instruments by Dr. Shakibaie-M., we reverted to the approved conventional shapes of sinus lift instruments.

The new instruments are approx. 60% smaller, they were sharpened and the surface was abraded. Under corresponding optical magnification and illumination of the operation field (operation microscope or magnifying glass), those features offer the following essential advantages:

- The reduction of the instrument size allows the preparation of a minimalized antral window without restricting the qualities of elevation or augmentation.
- The sharpening of the instruments allows a precise initial fracture of the bone layer which is as thin as parchment. The initial fracture is possible as soon as the window is prepared by rotating the instrument, without injuring the Schneider's membrane.
- The delicate coarseness of the surface of the instruments prevents the unpleasant reflection of light from the operating microscope or the magnifying glass.

In addition, the working tips of the instruments were bent in accordance with the reduced sinus lift window.

Finally, the instruments were also numbered and color-coded to allow an easy, chronological use.

Thus, the surgeon is able to increase the safety during elevation of the sinus bottom and to apply this technique in a minimally invasive way for the patient.

Pictures by Dr. Behnam Shakibaie-M.



Microsurgical Sinus Lift Instruments by Dr. Shakibaie-M.

41.847.00

Sinus Lift Instrument Set for microscopically guided elevation of the sinus bottom double-ended, **by Dr. Shakibaie-M.** contains following components:



41.847.08 Sinus Lift Instrument # 1, sharp, 2.9 / 2.4 mm, green



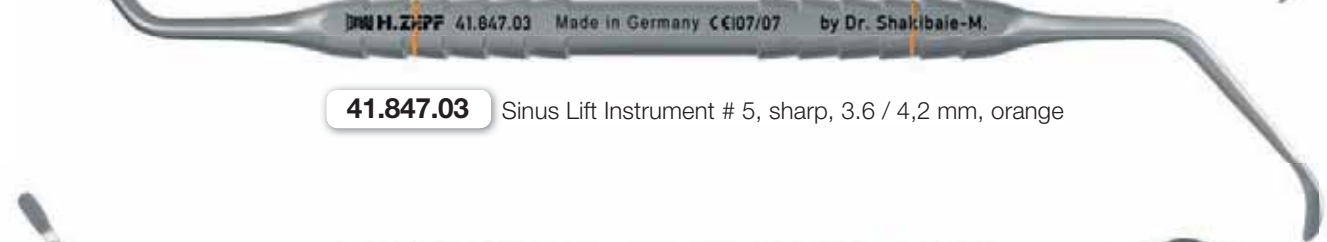
41.847.01 Sinus Lift Instrument # 2, sharp, 2.9 / 2.9 mm, black



41.847.05 Sinus Lift Instrument # 3, sharp, 2.8 / 2.9 mm, 45° curved, blue



41.847.02 Sinus Lift Instrument # 4, sharp, 2.8 / 3.8 mm, white



41.847.03 Sinus Lift Instrument # 5, sharp, 3.6 / 4.2 mm, orange



41.847.10 Sinus Lift Instrument # 6, sharp, 2.3 / 2.3 mm, red



41.847.09 Sinus Lift Instrument # 7, sharp, 2.1 / 2.1 mm, yellow





08.906.014C

Diamond, 014C, round, Ø 1.4 mm



08.906.016C

Diamond, 016C, round, Ø 1.6 mm



08.906.018C

Diamond, 018C, round, Ø 1.8 mm



85.251.03

Mixing Cup, stainless steel, with plastic lid, Ø 40 mm



41.868.08M Micro Sinus Plugger, Plugger

Ø 3.5 / Ø 2.6 mm, titanium handle, blue, double-ended, 17.5 cm, by **Dr. Shakibaie-M.**



41.868.09 Micro Sinus Spoon, Spoon

Ø 8x10 / Ø 4x6 mm, titanium handle, blue, double-ended, 17.5 cm, by **Dr. Shakibaie-M.**



19.651.15M Micro Sinus Aspirator

Sinus-Line, titanium tip modified by **Dr. Shakibaie-M.**





24.995.01

Complete Set incl. 1 x washbasket with lid 85.195.00 and partition for Sinus Instrument Set by **Dr. Stiller**



Sinus Instrument Set by Dr. Stiller

Immediate sinus floor elevation with or without bone cover

The Sinus Instrument Set has been developed together with Dr. Stiller and is particularly suited for difficult maxillary sinus structure (septa, maxillary pillars, scarred mutations in change with intact maxillary sinus mucosa).



Advantages of the system:

- Instruments which are adapted and adjusted perfectly to the anatomical conditions in the maxillary sinus.
- Flexible working ends (instruments are pre-bended for the normal antral anatomy).
- Two different kinds of instruments with blunt and sharp edges for dissecting mucosa on plane and rough internal surface of the maxillary sinus.



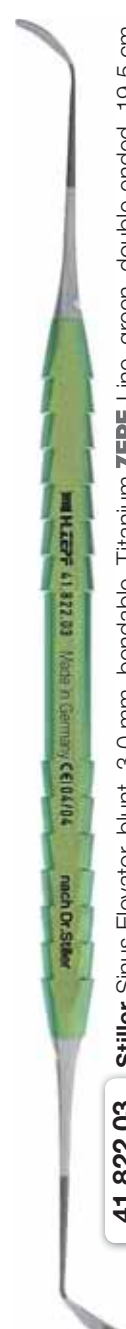
41.822.01

Stiller Sinus Elevator, blunt, 4.0 mm, bendable, Titanium **ZEPF-Line**, green, double-ended, 19.5 cm



41.822.02

Stiller Sinus Elevator, blunt, 2.5 mm, bendable, Titanium **ZEPF-Line**, green, double-ended, 19.5 cm



41.822.03

Stiller Sinus Elevator, blunt, 3.0 mm, bendable, Titanium **ZEPF-Line**, green, double-ended, 19.5 cm



41.822.04

Stiller Sinus Elevator, universal, 3.0 mm, Titanium **ZEPF-Line**, yellow, double-ended, 19.5 cm



41.822.05

Stiller Sinus Elevator, universal, 6.0 mm, Titanium ZEPF-Line, blue, double-ended, 19.5 cm



41.822.11

Stiller Sinus Elevator, sharp, 4.0 mm, bendable, Titanium ZEPF-Line, red, double-ended, 19.5 cm



41.822.22

Stiller Sinus Elevator, sharp, 2.5 mm, bendable, Titanium ZEPF-Line, red, double-ended, 19.5 cm



41.822.33

Stiller Sinus Elevator, sharp, 3.0 mm, bendable, Titanium ZEPF-Line, red, double-ended, 19.5 cm



41.868.07

Kirsch Sinus 7 Plugger, Titanium ZEPF-Line, double-ended, 17.5 cm, Spoon 8 x 10 mm



85.251.03

Mixing Cup, stainless steel, with plastic lid, Ø 40 mm



08.906.029C

Diamond, 029C, round, Ø 2.9 mm



08.906.023C

Diamond, 023C, round, Ø 2.3 mm



08.902.031HF

HB-Drill, 031HF, round





Sinus Instrument Set by Dr. Kirsch

24.995.00

Complete Set incl. 1 x washbasket with lid 85.195.00 and partition for Sinus Instrument Set by **Dr. Kirsch**

Washtrays and washbaskets, Tray-in-Tray-System, see pages 10-01 to 10-05!



41.868.01 **Kirsch**, Sinus 1, Elevator 25°, Titanium **ZEPP**-Line Handle, double-ended



41.868.02 **Kirsch**, Sinus 2, Elevator 60°/60°, Titanium **ZEPP**-Line Handle, double-ended



41.868.03 **Kirsch**, Sinus 3, Elevator 90°, Titanium **ZEPP**-Line Handle, double-ended



41.868.04 **Kirsch**, Sinus 4, Elevator 120°/120°, Titanium **ZEPP**-Line Handle, double-ended



85.251.03

Mixing Cup, stainless steel,
with plastic lid, Ø 40 mm



85.190.10

Universal Instrument Rack



41.868.05

Kirsch, Sinus 5, Elevator 90°/90°/60°, Titanium **ZEPF**-Line Handle, double-ended



41.868.06

Kirsch, Sinus 6, Elevator 90°/90°, Titanium **ZEPF**-Line Handle, double-ended



41.868.07

Kirsch, Sinus 7, Plugger Ø 5.0 mm, Spoon, Titanium **ZEPF**-Line Handle, double-ended



41.868.08

Kirsch, Sinus 8, convex Plugger Ø 4.5 mm, plane Plugger Ø 2.7 mm,
Titanium **ZEPF**-Line Handle, double-ended



24.747.03

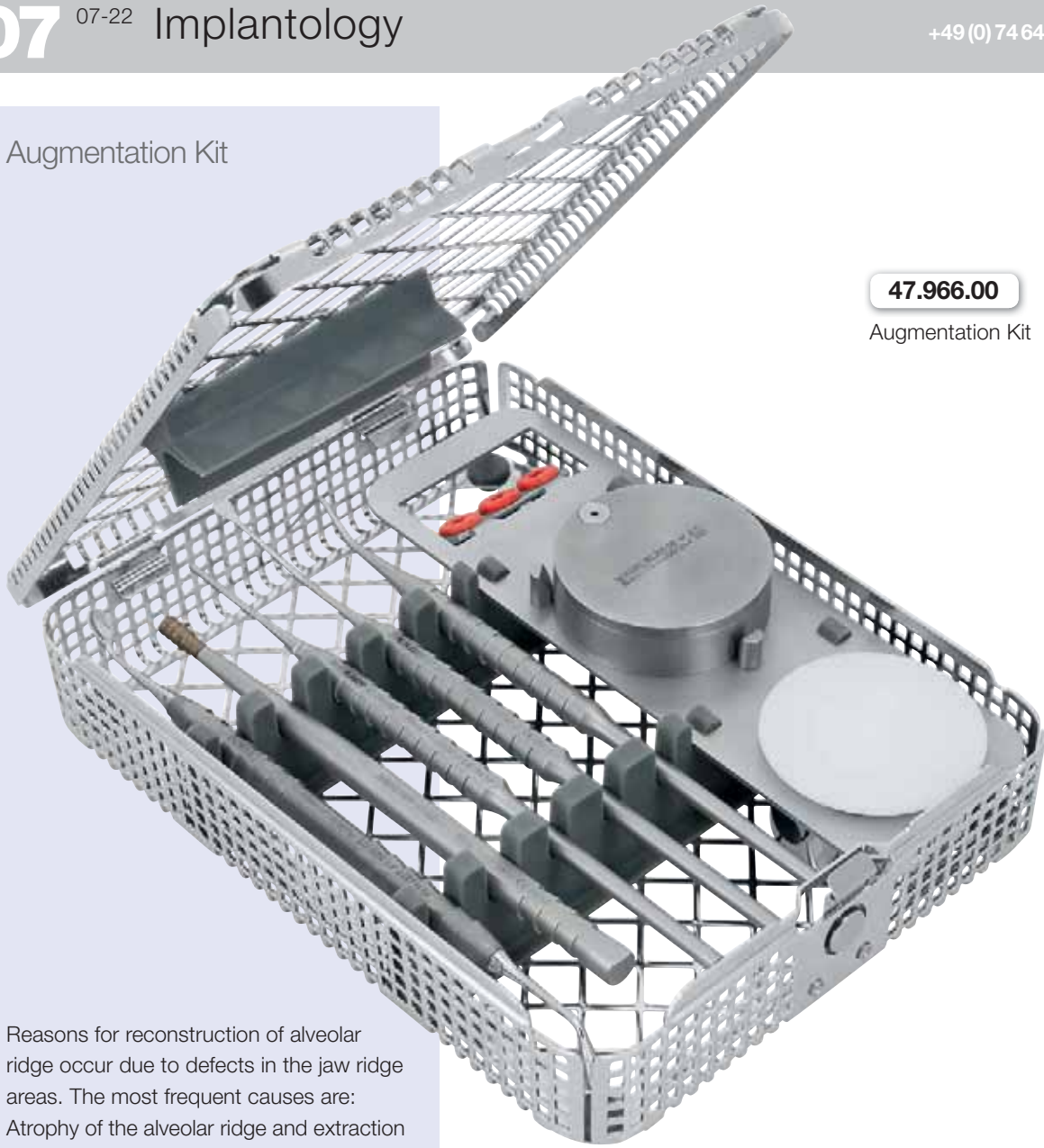
Universal Raspatory, exchangeable inserts



Augmentation Kit

47.966.00

Augmentation Kit



Reasons for reconstruction of alveolar ridge occur due to defects in the jaw ridge areas. The most frequent causes are: Atrophy of the alveolar ridge and extraction defects.

Out of aesthetic reasons alone, in visible areas, these defects need to be reconstructed.

The augmentation is carried out with autologous bone and titanium foil. The bone implants are covered with a titanium foil after application. To avoid dislocation of the augmentation material below the membrane, the membrane is fixed with at least 2 pins.












The titanium pins with 3 mm or 5 mm length are taken out of the storage box by means of the applicators and pressed into the bones through the foil or membrane.



85.255.02

Storage Box for
10 titanium pins,
optional



Illustration	Article Description	Order Quantity
	<p>47.966.00</p> <p>Augmentation Kit, consisting of: Pin Membrane Probe, Pin Applicator, Perforation Raspatory, Sinus 7 Instrument, Titanium Pin 3 mm (10 pieces) / 5 mm (5 pieces), Sinus Elevator # 2, Mixing Cup, Storage Box</p>	1 set
	<p>47.520.00</p> <p>Pin Membrane Probe with lame design handle</p>	1 piece
	<p>47.520.01</p> <p>Pin Applicator</p>	1 piece
	<p>47.520.02</p> <p>Perforation Raspatory</p>	1 piece
	<p>47.520.03</p> <p>Sinus 7 Instrument acc. to Kirsc, Spoon Ø 6.0 mm / flexible Plugger Ø 5.0 mm</p>	1 piece
	<p>47.560.03</p> <p>Titanium Pin, 3 mm (10 pieces included in the set)</p>	5 pieces
	<p>47.560.05</p> <p>Titanium Pin, 5 mm (5 pieces included in the set)</p>	5 pieces
	<p>47.847.11</p> <p>Sinus Elevator # 2, single-ended, flexible</p>	1 piece
	<p>85.251.04</p> <p>Mixing Cup, stainless steel, with plastic lid, Ø 4 cm</p>	1 piece
	<p>85.255.00</p> <p>Storage Box for 15 titanium pins</p>	1 piece
	<p>85.255.02</p> <p>Storage Box for 10 titanium pins, optional</p>	1 piece



ZEPF Augmentation Material Applicator



The Augmentation Material Applicator supports the fractional filling of the subantral space with particulate augmentation material. To compact the augmentation material you use a sinus plugger.

The instrument with diameter of 5 mm is loaded laterally.



The augmentation material can be applied precisely with the injecting mechanism.

The instrument can be taken apart for optimal cleaning.



19.714.16

ZEPF Augmentation Material Applicator Ø 5 mm, straight, with a lateral opening to insert the augmentation material



19.714.01 Ø 2.5 mm



19.714.03 Ø 4.5 mm



19.714.02 Ø 3.5 mm



19.714.04 Ø 6.0 mm





ZEPF Implant Holding Tweezers

Implants, abutments and small parts fall down and it is not possible anymore to take them up safely? With the Implant Holding Tweezers this unpleasant part during work is a thing of the past.



22.013.04

Implant Holding Tweezers,
titanium, 16 cm

Due to the optimized three-finger-grip it is assured to take up small parts safely. Titanium is the material of choice to prevent the surface of the implant and abutment from damages.



Drilling Sleeves by Prof. Dr. Yildirim



08.915.05

outer Ø: 3.0 mm;
inner Ø: 2.05 mm;
length: 10 mm (10 pieces)

08.915.02

outer Ø: 3.5 mm;
inner Ø: 2.55 mm;
length: 10 mm (10 pieces)



ZEPF Flag Holder

Flag Holder for easy and rapid control of parallelism of implant drillings.



08.917.00

Flag Holder Kit consisting of
08.917.05 - .20 in bur stand



08.917.05 5 mm

for front teeth and premolars



08.917.07 7 mm

for molars



08.917.13 13 mm

for checking a bridge; 2 piles as implant and bridge link, premolar



08.917.20 20 mm

for checking a rack supply in the lower front with a minimal distance of 20 mm for both implants

Krekeler Sliding Caliper

By Prof. Dr. med. dent. Gisbert **Krekeler**
Modif. Dr. med. dent. Sven Marcus Beschnidt

The Sliding Calipers combine a variety of functions in one instrument, thus facilitating the positioning of implants and enlarging the precision.

The measuring rods have a thickness of exactly 1.5 mm and allow immediate control of the maximum diameter of the implant which has to be inserted. (In order to assure maximum stability, please chose the largest diameter). Scientific examinations proved that the wall of the bone should have a thickness of at least 1.5 mm in order to avoid bone resorption after implantation. If the sliding caliper with its two measuring rods is inserted in the interproximal gap and opened in such a way that the measuring rods touch the respective root of the neighbor teeth, the maximum possible diameter of the future implant can be read off from the vernier marked IN. The upper marking OUT shows the determined outside dimension.

The new locating screw, at the end of the caliper, allows a fixation of the measured result. This practice-oriented development represents a significant relief with regard to a **more precise, quick and and secure work.**



31.693.10

Sliding Caliper acc. to Prof. Dr. med. dent. Gisbert **Krekeler** for measuring of implants with locating screw



OUT shows the determined outside dimension (\varnothing 1.5 mm), **IN** shows the inner diameter.



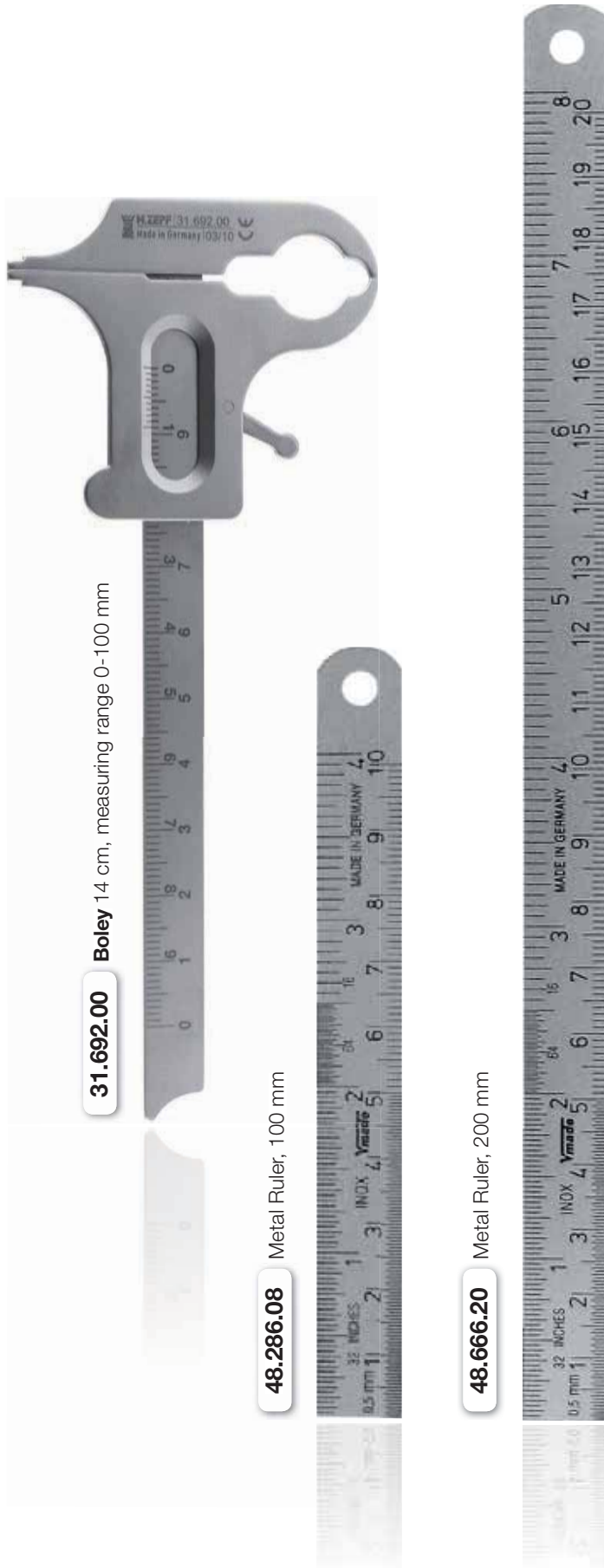
Locating screw for a safe fixation of the measured result.



The hole serves as drilling gauge and drilling guide. The marking allows the determination of the ridge.



Sliding Calipers and Metal Ruler



31.692.00 Boley 14 cm, measuring range 0-100 mm

48.286.08 Metal Ruler, 100 mm

48.666.20 Metal Ruler, 200 mm

Bone Caliper



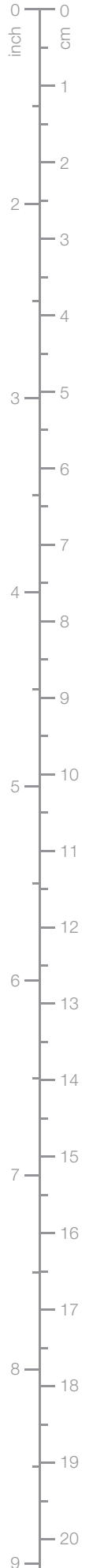
31.691.13

Bone Caliper for measuring the maxillary bone, radial scaling on the shanks of the ring handles, 13 cm



07 ⁰⁷⁻²⁸ Implantology

+49 (0) 74 64 / 98 88 0



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MADE IN GERMANY

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

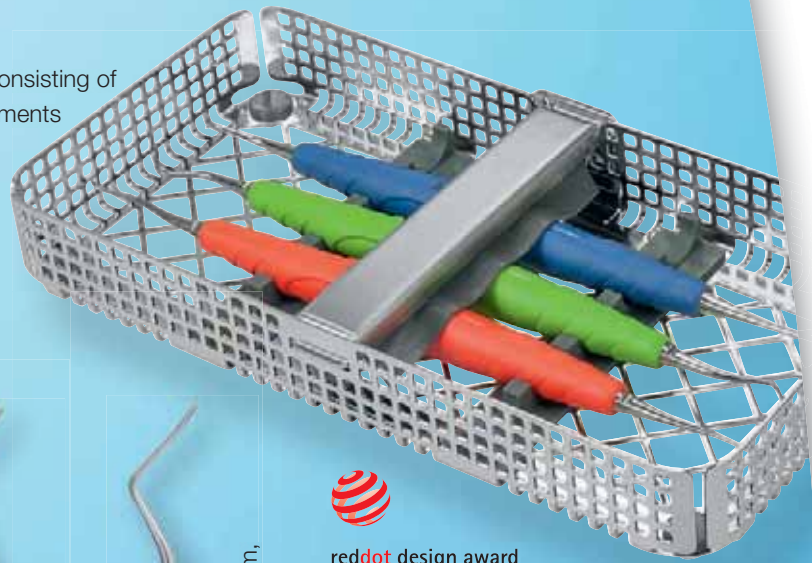
Scale



BIONIK^{ZEPP} Instruments for the modified Tunneling Technique

46.040.00

Set for tunneling technique, consisting of 1/3 washtray, tunneling instruments # 1 upper jaw, # 2 lower jaw, # 3 upper /lower jaw combination



reddot design award winner 2010



Tunneling Instrument, # 1, for upper jaw, double-ended, exchangeable inserts, 18 cm

46.040.01



Tunneling Instrument, # 2, for lower jaw, double-ended, exchangeable inserts, 18 cm

46.040.02

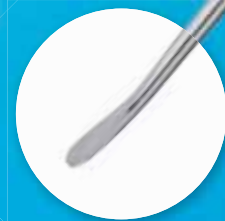


Tunneling Instrument combination, # 3 upper / lower jaw, straight 1.8 mm, angled 1.7 mm, double-ended, exchangeable inserts, 18 cm

46.035.20

In microsurgery, **HELMUT ZEPF** tunneling instruments find their application in the preparation of flaps or subsequent reconstructions of the alveolar ridge or for root coverings with a connective tissue graft.

The instruments allow a minimally invasive tunneling preparation to avoid large openings.



Due to the fine shaped raspatories tunneling incisions in the tissue can be conducted.



Double-Action Instruments



22.830.17 Double-Action Micro Forceps, transmitted, **ZEPF-Line**, 17.5 cm, 1 x 2 teeth, thread plate 10 mm, Maulbreite 0.6 mm, SpinLock



41.017.17 Double-Action Micro Needle Holder, transmitted, **ZEPF-Line**, 17.5 cm, tungsten carbide, serrated, jaw width 0.6 mm, SpinLock



What is the ZEPF SpinLock?

The parallel lock known from standard needle holders has been replaced with the new SpinLock technology. This avoids that the suture material gets caught up on the needle holder.

conventional lock



The **HELMUT ZEPF** Double-Action Instruments are consisting of a Micro Needle Holder and a pair of Micro Forceps.

The instruments were technically modified in the region of the instrument lock. The usual parallel screw lock has been replaced by a new axially turned lock to reliably prevent the suture material from sticking to the needle holder during knotting.

Advantages of the Double-Action Instruments

- double transmission to allow tactile handling
- made of special stainless steel
- needle holder with tungsten carbide insert to guarantee a long service life
- due to the round shape, the rotation is considerably facilitated, in particular during suturing, contrary to usual flat micro needle holders
- the turned design prevents threads from getting stuck



ZEPF Micro Scissors

Onyx-coated scissors offer a 3-5 times higher surface hardness. In combination with the "Supercut" grinding, this guarantees an extremely long product life and application as well as a very high precision and attrition resistance. The extraordinary surface smoothness is leading to an easy slide of the scissor blades even under highest strain.

Furthermore, the anti-glare surface avoids disturbing light deflections. The extremely smooth surface prevents adhesion of proteins.



Micro Scissors sharp/sharp, 45° angulated, **ZEPF-Line**, 16 cm

46.321.16 stainless steel

46.321.16TISC **onyx**



Micro Scissors sharp/sharp, curved, **ZEPF-Line**, 17 cm

46.319.17 stainless steel

46.319.17TISC **onyx**



Suture Removal Scissors by Dentist Beck



The newly developed **HELMUT ZEPF** Suture Removal Scissors are combining two functions in one instrument.

Sectioning and Retaining

The curved micro scissors won recognition for periodontal microsurgery. They are qualified for controlled cuts in the soft tissue and their main task is the sectioning of the suture (ill. 1).

They are curved for an ideal access to all oral regions. One blade of the scissors is micro-serrated to prevent the soft tissue and the thread from slipping off (ill. 2).

The new trademarked gripping function allows the scissors to be used for the sectioning of the suture and subsequent thread removal without requiring a second instrument (ill. 2).



46.319.17N

Suture Removal Scissors with retaining function for suture removal by Dentist Beck, micro-serrations, sharp/sharp, **ZEPF-Line**, curved, SpinLock, 17.5 cm

Needle Holder by Dr. Kirsch



5/0 - 8/0

Needle Holder by Dr. Kirsch, lock, double spring, SpinLock, 17.5 cm, TC



41.200.17TC-K straight



41.201.17TC-K curved



Macro / Micro Needle Holder



41.010.17TC-M Macro Needle Holder 18 cm, TC
macro bit 11 x 2.0 mm, straight, **ZEPF-Line**, titanium, lock



What is TC ?

TC stands for "Tungsten Carbide", a material whose superior strength wear resistance and hardness are its major properties that distinguish it from conventional materials.

Micro Needle Holder

ZEPF-Line, with lock and protected inner spring, SpinLock, TC



41.200.15TC stainless steel, 15 cm

41.200.17TC stainless steel, 17.5 cm



41.201.15TC stainless steel, 15 cm

41.201.17TC stainless steel, 17.5 cm



Micro Needle Holder



5/0 - 8/0



41.010.17TC Micro Needle Holder

TC, straight, **ZEPP**-Line, lock, SpinLock, 17.5 cm



5/0 - 8/0



41.011.17TC Micro Needle Holder

TC, curved, **ZEPP**-Line, lock, SpinLock, 18 cm



5/0 - 8/0

41.015.17 Micro Needle Holder

Hold'n'Cut by PD Dr. Weng, combined with scissors, SpinLock, TC



The front part of the Hold'n'Cut Micro Needle Holder holds the end of the needle when entering the flap.



The front part of the needle holder, together with the micro surgical tweezers, holds the thread ends when knotting.



The back part of the Hold'n'Cut Micro Needle Holder offers scissors for the cutting of the thread without changing the instrument or needing any additional scissors.



Micro Forceps with Diamond Coating

Some forceps can also be ordered with diamond coated tips for better grip.



Cooley 18 cm



22.815.17 stainless steel



Cooley 18 cm



22.816.17 stainless steel



Tissue Forceps 1 x 2 teeth, 17.5 cm



22.811.17 stainless steel

 **22.811.17D** diamond-tipped



Tissue Forceps 1 x 2 teeth, 17.5 cm



22.810.17 stainless steel

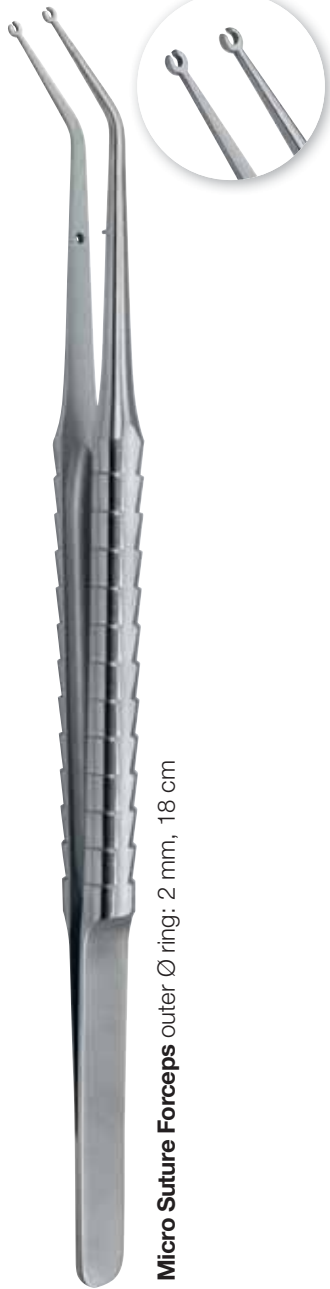
 **22.810.17D** diamond-tipped





Micro Forceps with Diamond Coating

Some forceps can also be ordered with diamond coated tips for better grip.



Micro Suture Forceps outer Ø ring: 2 mm, 18 cm

22.814.17 stainless steel



Dressing Forceps smooth, 18 cm

22.821.17 stainless steel

22.821.17D diamond-tipped

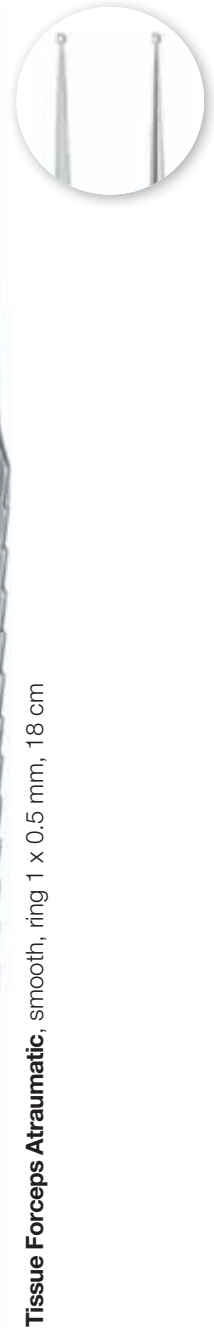


Dressing Forceps smooth, 18 cm

22.820.17 stainless steel

22.820.17TC TC inserts

22.820.17D diamond-tipped



Tissue Forceps Atraumatic, smooth, ring 1 x 0.5 mm, 18 cm

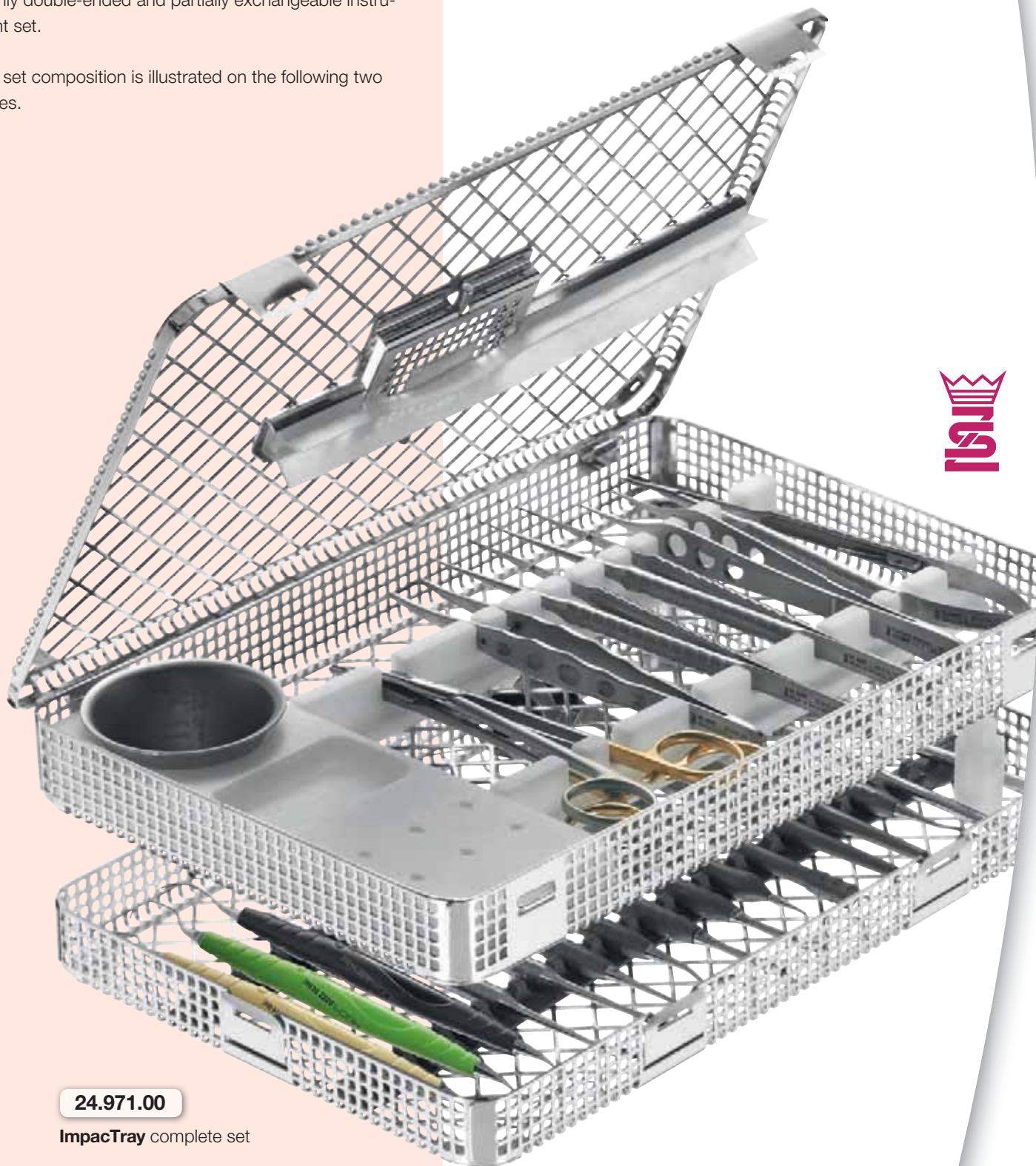
22.812.17 stainless steel

ImpacTray by PD Dr. Weng, Starnberg

The ImpacTray by PD Dr. Weng makes micro as well as macro surgical operations possible in implantology, periodontology and augmentation surgery.

The amount of necessary instruments is reduced to a minimum by developing and putting together an efficient, mainly double-ended and partially exchangeable instrument set.

The set composition is illustrated on the following two pages.



24.971.00

ImpacTray complete set

ImpactTray by PD Dr. Weng, Starnberg

The **ImpactTray** Set **24.971.00** incl. washtray consists of:



46.035.05 **PapillEx** Papilla Elevator by **PD Dr. Weng**, Starnberg



The blunt working end of the PapillEx is lentiform and allows gentle elevation of the tip of the papilla by turning the instrument while positioned adjacently to the the cervical part of the tooth.

The sharp working end, which is slightly bigger, is used to remove the periosteum from the bone along the sulcular or vertical incision.

Both working ends are exchangeable and can be removed from the instrument shank if necessary.



5/0 - 8/0

41.015.17 **Micro Needle Holder**

Hold'n'Cut by **PD Dr. Weng**, Starnberg, combined with scissors, SpinLock



85.252.25 **Medicine Cup** 25 ccm, stainless steel



3/0 - 4/0

41.252.15TC **Crile-Wood** straight, 15 cm



24.210.01L **Universal Curette, Langer # L1/2**, black, exchangeable



24.208.03L **Universal Curette, Langer # L3/4**, yellow green, exchangeable



24.201.05L **Universal Curette, Langer # L5/6**, yellow, exchangeable



41.848.08 **Sinus Elevator, double-ended 4.2 mm / 3.6 mm**, blunt



24.114.00 Probe combination by **PD Dr. Weng**, Starnberg



26.183.00 Desmome for cutting the desmodontal fibres, titanium



24.747.04 **Prichard** Raspatory



24.747.06 **Kirkland** # 15/16, exchangeable



46.013.00Z Micro Surgical Scalpel Handle, titanium, **ZEPF**-Line, 13 cm



46.007.00 Scalpel Handle, **ZEPF**-Line, straight (without blade)



22.489.00M Micro-Adson 1 mm, with suture disc, 15 cm



22.810.17 Micro Tissue Forceps, 1 x 2 teeth, 17.5 cm



46.081.16SC Joseph Scissors curved, micro serrated, 14 cm



22.025.03 Tweezers with stop-pin, ergonomic, 15 cm



24.087.02 Mouth Mirror Handle, titanium, Capstan-Line, with Mirror 24.071.22



Papilla Elevators



46.035.05 **PapillEx** Papilla Elevator by **PD Dr. Weng**, Starnberg



The blunt working end of the PapillEx is lentiform and allows gentle elevation of the tip of the papilla by turning the instrument while positioned adjacently to the cervical part of the tooth.

The sharp working end, which is slightly bigger, is used to remove the periosteum from the bone along the sulcular or vertical incision.

Both working ends are exchangeable and can be removed from the instrument shank if necessary.



46.035.00 **Papilla Elevator** to prepare fine soft tissue structures, **ZEPP-Line**, exchangeable inserts, 17.5 cm



Micro Scalpel Handles **ZEPP-Line**, 13 cm



46.013.00Z Titanium, included in the set illustrated on page **08-11**

46.013.05 Stainless steel

Micro Scalpel Blades for Micro Blade Holders, supplied in packs of 25 pieces



ZEPF Soft Tissue Micro Instrument Basic Set

24.967.05

ZEPF Soft Tissue Micro Instrument Basic Set

85.180.00

Incl. washtray 1/1, with 2 instrument supports and 1 longitudinal instrument retainer, dimensions: 275 x 178 x 24 mm

containing:

1 22.810.17

Tissue Forceps, straight, stainless steel, **ZEPF-Line**, with guide pin, 1 x 2 teeth, 17.5 cm

2 41.200.17TC-K

Needle Holder by **Dr. Kirsch**, straight, TC, lock, double spring, SpinLock, 17.5 cm

3 41.864.13

Raspatory, **ZEPF-Line**

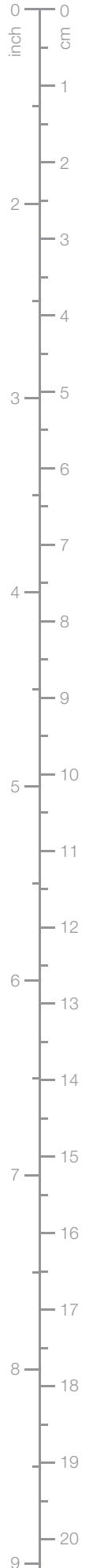
4 46.319.17

Suture Removal Scissors with micro-serrations, sharp/sharp, curved, **ZEPF-Line**, stainless steel, 17 cm

5 46.013.00Z

Micro Surgical Scalpel Handle, **ZEPF-Line**, light version, titanium, 13 cm





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MADE  **IN GERMANY**

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

Scale

ZEPF Crown-Spreading Pliers

The **HELMUT ZEPF** Crown-Spreading Pliers are perfectly designed for spreading of crowns without pressure on the root and neighbour tooth.

Sturdy, with a spring handle which holds the instrument securely in the hand.

A set screw keeps the jaws in perfect alignment.

19.277.01Z

Crown-Spreading Pliers by Bauer, modified DBGM, 14.5 cm

DBGM



Universal Forceps

These **HELMUT ZEPF** All-purpose Pliers should be on hand at any treatment unit. They may be used for securely grasping temporary plastic crowns, bridges, nerve instruments, stuck matrices, fixing inlays, setting interdental wedges, etc., and may be used on both upper and lower jaws.

Their tungsten carbide steel jaws provide a secure grip.



19.281.15TC

Universal All-Purpose Forceps,
TC, 14.5 cm

ZEPF Tele-Grip

Easy and thus precise adjustment!

There is always a demand for a precise and above all a sensitive adjustment of a Tele-Grip, to avoid a high tension (damage caused by deformation) in critical situations.

The previous function was only partly given, especially in bigger spreading ranges it was only possible under restrictive conditions. Thus, the durability was affected due to the resulting thread damages.

The **HELMUT ZEPF** Tele-Grip has a movable threaded bearing. As a result, the adjusting screw can be aligned easily and in a most sensitive way throughout the setting range.

gently opening in every position



moveable thread bushings for a gentle and precise opening and adjusting without causing thread damages

31.182.01

Tele-Grip, Telescope
Crown Forceps,
curved, exchangeable,
15 cm



Inlay Forceps

19.274.60

Self-retaining Inlay Forceps, exchangeable jaws, 15 cm, incl. 10 pairs plastic jaws



19.274.50

Inlay Forceps, exchangeable jaws, 15 cm, incl. 10 pairs plastic jaws

Crown-Tractor Crown-Extraction Pliers with interchangeable plastic tips



Adjust the screw on the plier so that it fits nicely over the crown to be removed

19.274.00

CROWN-TRACTOR Set "Exclusive" Extraction Pliers with thumbscrew detent and retaining spring, 16 cm
20 Plastic Polymer Tips, 10 g DIATRAC adhesive powder



After adjusting the plier, tips should be moistened with diamond powder

19.274.01

CROWN-TRACTOR Set "Economic" Extraction Pliers without thumbscrew detent and retaining spring, 16 cm
20 Plastic Polymer Tips, 10 g DIATRAC adhesive powder



The crown can now be removed in a safe way



19.274.13

Replacement Kit: 10 g DIATRAC adhesive powder, gamma irradiated and 40 Plastic Polymer Tips



Crown Butler



19.275.01 Insert # 1



19.275.02 Insert # 2



19.275.04 Insert for Crown-Butler, Crown-Removing-Plier

19.275.00

Crown-Butler, automatic crown remover, incl. 2 inserts 19.275.01 and 19.275.02

Miller Crown Ring Remover



19.272.01 Insert for Miller # 1



19.272.02 Insert for Miller # 2



19.272.03 Insert for Miller # 3



Miller

Crown Ring Remover

19.272.00

with 3 inserts (# 1-3) and weight

19.272.10

with weight

19.273.00

with 3 inserts (# 1-3), weight and spring



For Temporary Bridges and Crowns



31.184.13

Crown Holding Pliers,
with ring, curved, 13 cm



19.281.16

Removing Pliers for temporary
bridges and crowns, TC inserts,
16 cm



2:1

19.279.00

All-Purpose Crown Lever for
occlusal, buccal, palatal or labial
use in the maxilla, 14 cm



31.185.02

Telescope Crown Pliers,
with 2 exchangeable
diamond tips 1.65 mm

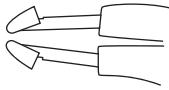




Telecrown-Grip

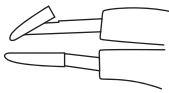
These Telescoping-Jaw Pliers allow using three types of configuration in a single plier. Their adjustable and rigid tips have a first-class, anatomically correct friction coefficient.

The design of the contacting surfaces of their diamond-tipped jaws significantly extends jaw service life. The choice of configurations allows adapting them to suit patients' anatomies.



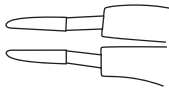
31.185.00

Telecrown-Grip, bilaterally adjustable, 2.35 mm, diamond-tipped jaws with exchangeable, movable tips, incl. Allan Key, 13 cm



31.185.01

Telecrown-Grip, unilaterally adjustable, 2.35 mm, diamond-tipped jaws with exchangeable tips, 1 movable tip, incl. Allan Key, 13 cm



31.185.04

Telecrown-Grip, rigid, 2.35 mm, diamond-tipped jaws with exchangeable tips, incl. Allan Key, 13 cm



Spare Parts

31.185.10 1 pair of diamond-tipped jaws, adjustable, 2.35 mm

31.185.12 1 pair of diamond-tipped jaws, rigid, 2.35 mm

31.184.01 Allan Key, SW 1.5

Modeling Instruments – Precision in Perfection

Quality MADE IN GERMANY for the quality-conscious technician.

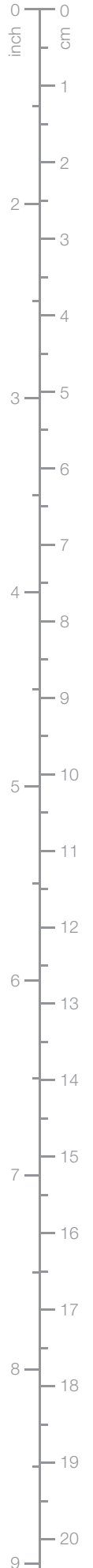


28.161.13 Wax Carver, Fahrenstock, stainless steel, 12 cm



28.161.17 Wax Carver, Fahrenstock, stainless steel, 17 cm





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MADE IN GERMANY

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

Scale

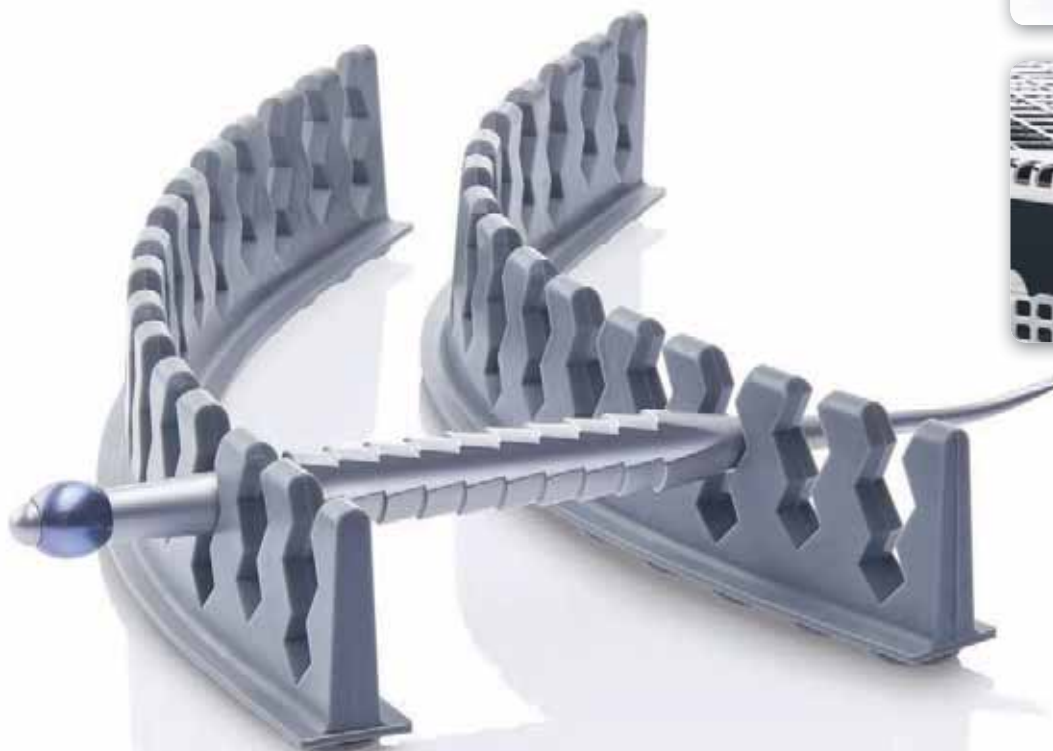


The Modular Hygiene System

Flexible, efficient and approved safe. The **ZEPF**-Care Universal Silicone Profile allows an easy placement of the instruments after a surgery. For sterilization and cleaning, the instruments are inserted in the profile according to their diameter and are immediately secured.

Additionally, we have equipped the **ZEPF**-Tray and Basket-System with silicone base. Therefore the tray guarantees an anti-slip position and the stacking stability is improved at the same time.

Suitable for standardized sterilization containers, it's available in four different sizes for an ideal working potential. Placesaving, secure and very practical and with a removable lid.



10 ¹⁰⁻⁰² Maintenance

+49 (0) 74 64 / 98 88 0

Profile, low



85.180.05

85.180.04

85.180.03



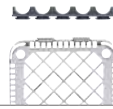
The **ZEPF**-Care-System increases your efficiency, as you can assemble your trays in a process-oriented way and work accordingly. You will meet the requirements of the RKI and the accident prevention regulation. It doesn't matter whether you are cleaning your instruments manually or automatically.

Washtrays



85.182.00

1/3 178 x 90 x 24



85.181.00

1/2 178 x 135 x 24



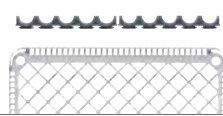
85.180.00

1/1 275 x 178 x 24



85.180.10

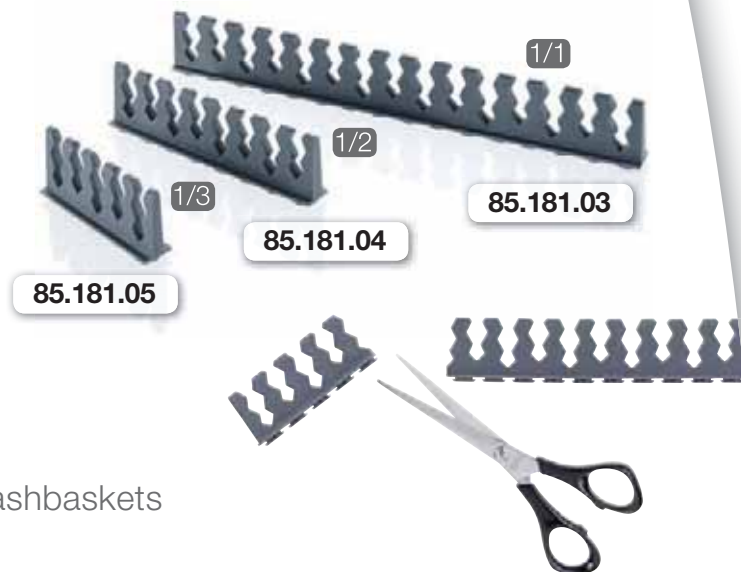
1/1 275 x 178 x 24



Advantages

- The meshes of the bottom and the lid are designed in a broad shape. Consequently dead zones are minimized.
- The diagonal profile of the mesh simplifies the identification of the parallel arranged instruments in the profile.
- The meshes on the edge of the tray are designed in a narrow shape and thus enhance the stability of the tray.
- The risk of injury is reduced.

Profile, high, universal



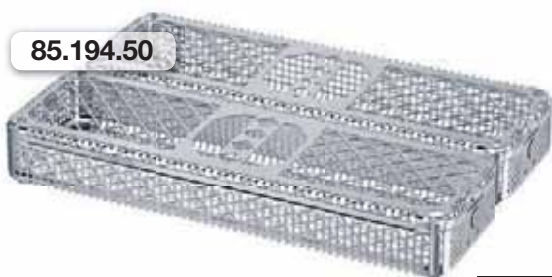
Washbaskets



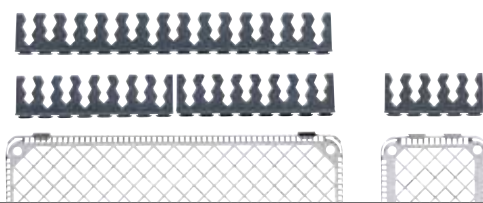
1/3 178 x 90 x 37



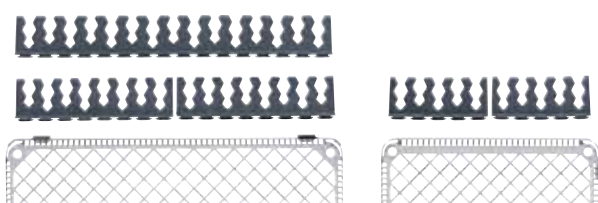
1/2 178 x 135 x 37



1/2 275 x 86 x 37



1/1 275 x 178 x 37





picture 1



Profile, high, universal (example see picture 1)



intelligent



flexible



modular



Arranged in a practice-oriented way

As a result of the high and low configuration of the profile sections, the instruments can be placed in a space-saving way and can be removed easily.

It is possible to place two instruments above each other in one profile section. Contact of the instruments should be avoided in order to prevent contact corrosion.

Tip:

The following instrument combinations are **possible** should they contact each other:

- plastic / plastic ✓
- plastic / metal ✓
- titanium / titanium ✓
- titanium / metal ✓

In case of contact, the following instrument combination is **not possible**:

- metal / metal ✗

The modular concept of the three different lengths can be tailored according to your request.

The 'universal profile' is compatible with the 'low profile' in order to ensure a secure hold of different instrument diameters and variations.

For special cases, we recommend the assembly of our press pad in the lid.

There are no limits set regarding design of your personalized tray.

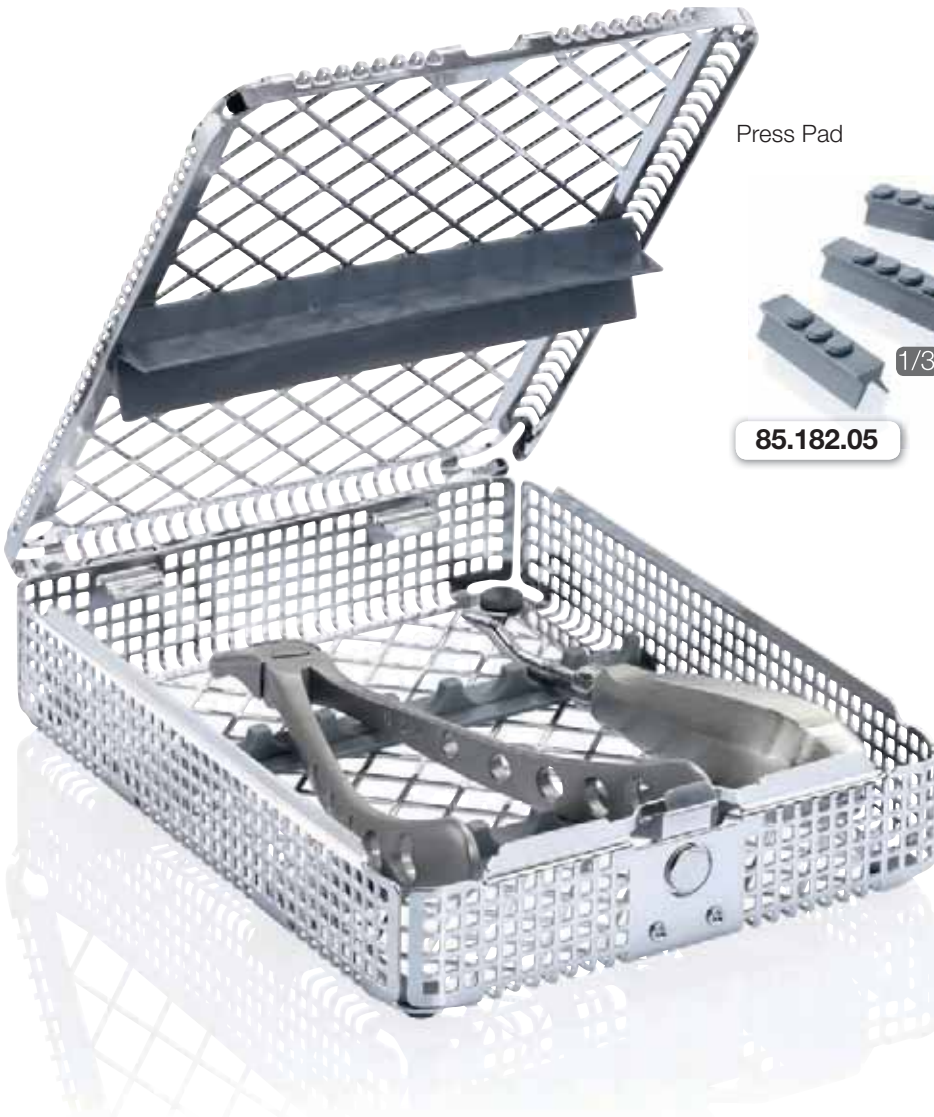


Profile, high, with individual water jet cutting (example see picture 2)

Profile, high, individual



picture 2



Press Pad



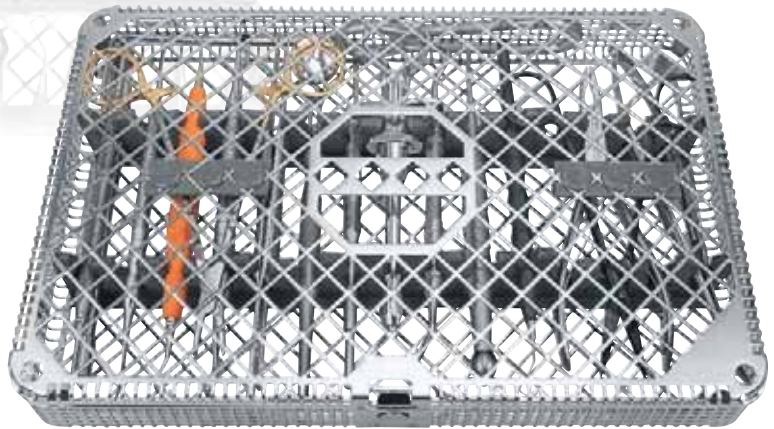
Lid Instrument Fixation for wash basket fixing scissors / needle holders





ZEPF-Care Washbasket – the Space Wonder

Example: equipped wash basket 1/1





Aluminium Sterilization Container in 5 Sizes

Through the integrated filter in the lid and the base the Sterilization Containers are suitable for all steam sterilization methods:

- fractionized vacuum method
- fractionized steam method
- gravitation method
- pre-vacuum method

Different dimensions and stackability allow easy handling and optimal organization. The containers can be used for storing sterile goods and also for disposing contaminated instruments.

The newly developed latch system prevents accidental opening of the container and assures a simplified handling for the sterilization preparation.

The optimized sealing system assures a safe fixing of the filter.

Accessories



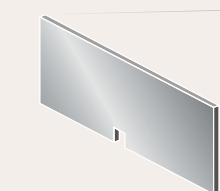
85.327.50
Paper Filter with indicator
235 x 118 mm
PU 100 pieces



85.327.60
Teflon® permanent Filter
215 x 145 mm
PU 2 pieces



85.327.70
Latch Seal for sterilization containers, plastic, blue, PU 100 pieces



85.312.XX
Labelling Tags from aluminium in 9 different colors

Bottom and lid is perforated, optimized latch system, incl. 2 long-term textile filters
Dimensions in mm:

Outside:
Width 310 / Depth 190 / Height X

Inside:
Width 280 / Depth 182 / Height X



85.327.00
Height X in mm:
outside 40, inside 35
Capacity:
1 washtray or 0 washbaskets



85.327.10
Height X in mm:
outside 65, inside 55
Capacity:
2 washtrays or 1 washbasket



85.327.15
Height X in mm:
outside 80, inside 70
Capacity:
2 washtrays or 1 washbasket



85.327.20
Height X in mm:
outside 100, inside 90
Capacity:
3 washtrays or 2 washbaskets



85.327.30
Height X in mm:
outside 130, inside 124
Capacity:
5 washtrays or 3 washbaskets



10 ¹⁰⁻⁰⁸ Maintenance

+49 (0) 74 64 / 98 88 0

Dental-Tray Cassette DIN 13999

All Dental-Tray Cassettes are compatible to our Washtray and Washbasket System, shown on pages **10-02** to **10-04**.



85.142.20

Norm-Tray-Cover **1/2**,
non perforated, 180 x 140 x 25 mm

85.142.10

Norm-Tray-Bottom **1/2**,
perforated, 180 x 140 x 19 mm

85.145.00

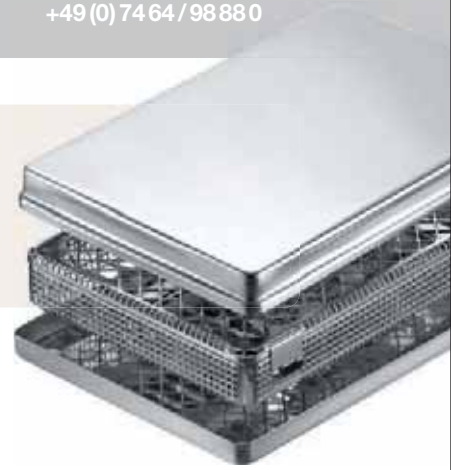
Norm-Tray-Cover **1/1**,
non perforated, 280 x 180 x 25 mm

85.150.00

Norm-Tray-Bottom **1/1**,
perforated, 284 x 183 x 17 mm

85.140.00

Norm-Tray-Bottom **1/1**,
non perforated, 284 x 183 x 19 mm



85.252.25

Medicine Cup, stainless steel,
25 ccm



85.251.00

Mixing Cup, stainless steel,
with plastic lid, Ø 4 cm



Drill holder inserts, assorted in 9 colors
(5 pieces ea. per packing unit).

85.183.40 with bigger inner diameter for piezo
instruments, available only in black color.



85.183.40



85.183.47



85.183.41



85.183.48



85.183.42



85.183.49



85.183.43



85.183.44



85.183.45



85.183.46



85.703.00

System drill rack for max. 14 drills,
incl. mixing cup with lid and silicone
bushings



85.251.03

Mixing Cup with Lid

85.251.10 Lid

85.251.13 Mixing Cup



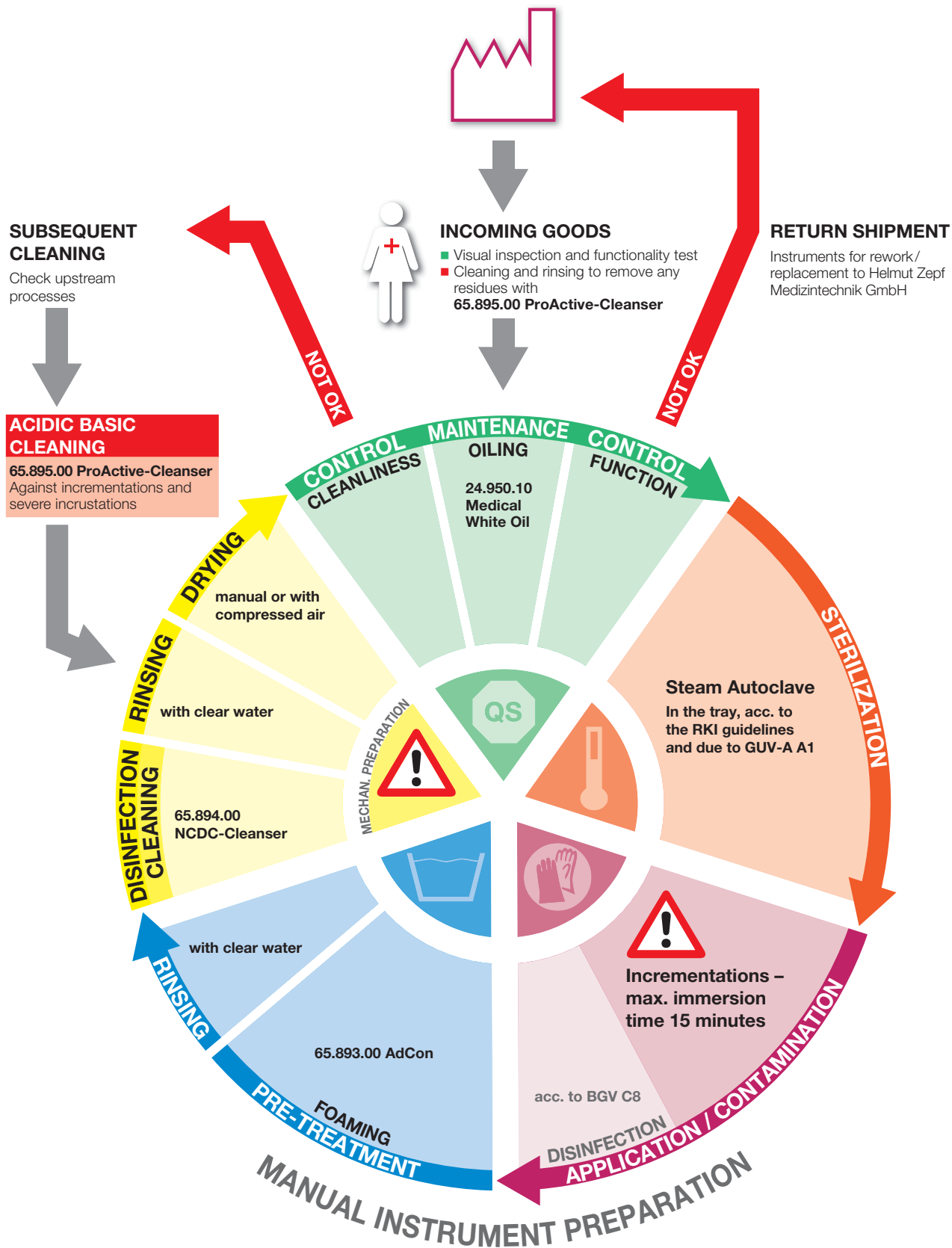
85.251.04

Mixing Cup, stainless steel,
with plastic lid, Ø 4 cm



Optimal Instrument Processing

We recommend the manual instrument cleaning.



Optimum Cleaning with



ZEPF-Care protects your instruments! As an instrument manufacturer, the company **HELMUT ZEPF** developed a product line for the optimum processing of dental instruments, in close cooperation with a renowned manufacturer of disinfectant and cleaning agents.

An underestimated part of the instruments in a dental practice is damaged during the daily hygiene cycle; sometimes the instruments are nearly completely destroyed.

The potential reasons are widely spread and need a close observation. The use of abrasive cleaning agents, metal brushes, the failure to comply with specified timelines etc. are only an extract of possible reasons.

In order to support the practice team or the hygiene manager in particular, we now offer care products for an optimal and safe processing with our products

AdCon, NCDC-Cleanser and **ProActive-Cleanser**.

For further information:
zepf-dental.com



AdCon

Cleansing foam

for an intensive but not protein fixated pre-cleaning of all instruments

65.893.00

Spray bottle, 500 ml

65.893.06

Packing unit: 6 bottles



NCDC-Cleanser

Highly effective liquid concentrate

for cleaning and disinfection of rotating and general dental instruments

65.894.00

Dispensing bottle, 1 L, gives you 200 litres ready-to-use solution

65.894.04

Packing unit: 4 bottles



AdCon is a surface-active and germ-reducing cleaning foam.

AdCon undercuts protein residues as well as body fluids. These particular characteristics prevent organic residues from drying as these residues could result in incrustation with crevice corrosion and pitting corrosion. By carrying out a pre-treatment with **AdCon**, the cleaning will be much more efficient and gentle – no matter if you clean your instruments manually or automatically!

AdCon is the ideal solution for users who have to consider longer periods before cleaning. 80% of the instruments' damages are due to crevice corrosion and pitting corrosion. The reasons are protein incrustations. So far, aggressive cleaning agents have been used in order to remove incrustations which resulted in several other disadvantages.

With **AdCon** such handling errors are actively prevented. The cleanings become more gentle and efficient. The lifetime of your instruments will be considerably improved.

NCDC-Cleanser is a liquid solution free of aldehyde and phenol for cleaning and high performance disinfection for the use in a dip tank or ultra-sonic bath.

NCDC-Cleanser is used universally for surgical and rotating instruments.

The ready-to-use solution is gentle on materials and has a low electrical conductivity. Therefore, electrolytic effects, which have led to pitting corrosion when the instruments were not processed immediately, are prevented.

The new formula protects all instruments from corrosion. **NCDC-Cleanser is VAH/DGHM certified.**





Medical White Oil

Medical White Oil
in a dispensing bottle and in
an oil pen



24.950.10

Dispensing bottle, 50 ml

24.950.12

Oil Pen, 12 ml



ProActive-Cleanser

liquid acid concentrate
in a dispensing bottle



65.895.00

Dispensing bottle, 1 L, gives you
20 to 100 litres ready-to-use solution

65.895.04

Packing unit: 4 bottles

The **ProActive-Cleanser** is an acid high performance cleanser for all dental and surgical instruments. One litre of the liquid concentrate gives you 50 - 100 litres ready-to-use solution. As acid basic cleaning or heavy contamination 20 litres.

The **ProActive Solution** is ideal for pre-cleansing of new products. In a higher concentration as acid basic cleanser to clean already incrustated residues, e.g. protein, flash rust, lime and oil.

ProActive activates the chrome components of high-alloy medical steel, whereby the development of the natural chromium oxide layer is accelerated and intensified. The instruments are therefore again resistant to corrosion. Cleaning and passivation in one step.



PROBLEM: Incrustations

Incrustations occur and the cleaning is additionally harder, because of an exceeded immersion time after the usage of the instruments.

SOLUTION: Pre-treatment

Please treat the instruments with AdCon the latest 15 minutes after usage in order to prevent incrementations.

PROBLEM: Metal brushes

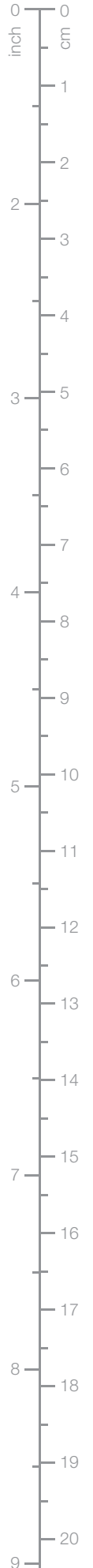
They destroy the passive layer of the instrument surface!

SOLUTION: Brushes with nylon bristles



10¹⁰⁻¹² Maintenance

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MADE IN GERMANY

The instruments illustrated in this catalogue are subject to modifications regarding technical progress and improvements.

Scale

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24.205.07G	03-14	CE



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24.751.401Ti	04-03	CE



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85.195.00	10-03	CE
85.251.00	10-08	CE
85.251.03	07-17	CE
85.251.03	07-19	CE
85.251.03	07-21	CE
85.251.03	10-08	CE
85.251.04	07-09	CE
85.251.04	07-23	CE

85.251.04	10-08	CE
85.252.25	08-10	CE
85.252.25	10-08	CE
85.255.00	07-23	CE
85.255.02	07-23	CE
85.312.00	10-07	CE
85.312.01	10-07	CE
85.312.02	10-07	CE
85.312.03	10-07	CE
85.312.04	10-07	CE
85.312.05	10-07	CE
85.312.07	10-07	CE
85.312.08	10-07	CE
85.312.09	10-07	CE
85.327.00	10-07	CE
85.327.10	10-07	CE
85.327.15	10-07	CE
85.327.20	10-07	CE
85.327.30	10-07	CE
85.327.50	10-07	CE
85.327.60	10-07	CE
85.327.70	10-07	CE
85.703.00	10-08	CE
85.903.01	10-11	CE
85.903.03	10-11	CE
85.903.04	10-11	CE
99.130.00	06-42	CE



Terms of Delivery and Payment

Helmut Zepf Medizintechnik GmbH

1. Offers and order acceptance

Our offers are always subject to confirmation and without obligation. Telephone and verbal agreements and arrangements with our agents shall become legally valid only after they have been confirmed by us in writing. Deviations in the orders of the buyers relative to our terms of delivery and payment shall not be binding for us, if we have not declared our approval in writing. The subsequent correction of potential errors in offers and invoices shall be permitted for us explicitly and in every case.

2. Delivery

All our data on delivery times shall be approximate only and non-binding.

3. Calculation

The prices agreed upon are net prices plus the respective legally applicable value-added tax.

4. Warranty

Within a period of one year we shall grant warranty for defects, which are caused by manufacturing or material faults. Potential defects shall have to be indicated to the supplier in writing immediately, at the latest, however, within eight days after receipt of the delivery. In case of justified notification of defects, the supplier shall be obligated to rework or replace as chosen. Any exceeding warranty claims, in particular for damage which has not been caused to the supplied goods themselves shall be ruled out, provided no intent or gross negligence can be substantiated. Our obligation of warranty shall not apply, if the defect or modification of the goods supplied is caused by incorrect intervention of the ordering or third parties. Moreover the warranty obligation shall not apply in case of incorrect handling or excessive wear of the goods by the ordering or third parties.

5. Packaging

If the order does not define the packaging, we shall choose the packaging at our discretion.

6. Delivery / shipment

The delivery is made ex works. The goods shall be transported to the place of destination always at the costs and risk of the buyer, no matter by which route and which means of transportation is chosen. The road tolls, provided they are not paid by us in case of freight-paid fob or cif deliveries, shall be borne by the buyer. Neither do we assume any obligation for delivery in time nor for the full utilization of loading capacity of the means of transportation. Moreover, the buyer shall bear the costs of the transport insurance.

7. Payment

Our invoices shall be due for payment without deduction within thirty days after invoicing. In case of payment within eight days we grant a discount of two per cent. Repairs and interest shall be payable immediately and without deduction. Cheques and bills of exchange shall be accepted only in lieu of payment, the latter only after previous arrangement. Costs for bills of exchange and discount charges shall be borne by the ordering party.

Payments shall be considered made as from the day, at which the supplier can avail himself of the invoiced amount in cash without any loss. In case of default in payment of the ordering parts we shall be permitted to charge default interest of 5 per cent above the respective basic interest rate of the European Central Bank as from the occurrence of default, and to declare due any amounts potentially deferred. Before complete payment of all invoices due including default interest, the supplier shall not be obligated to any further deliveries from a current contract. A complaint, even when justified, shall not permit the buyer to delay payment or to change the terms of payment.

8. Retention of title

Until complete redemption of all obligations from the business relationship, also of others and future businesses of the buyer with us, the goods supplied shall remain our property. For the duration of the retention of title of the seller, the buyer obligates himself to handle the goods correctly and with care. Within the framework of his normal standard business operation, the buyer may sell and process the goods. The claims of the buyer from the sales of the goods subject to retention of title shall be assigned to us now already until our claims from good delivery are paid off completely, irrespective of whether the goods subject to retention of title have been sold without or after processing or whether they have been sold to one or several buyers. The assigned claims serve as our security, however only to the value of the respectively sold goods subject to retention of title. The buyer is entitled to sell the goods subject to retention of title only in keeping with the agreement hereinbefore on the assignment of the purchase price claim. In case of seizure of the goods or the transfer of the purchase price claim to a third party in their place, the buyer is obligated to inform us immediately. We obligate ourselves to return or to transfer back the securities assigned to us at our discretion in keeping with the conditions mentioned hereinbefore, provided the value exceeds the claims to be secured by 20 per cent.

9. Place of performance and venue

The place of performance and venue shall be D-78532 Tuttlingen in Germany for all rights and obligations arising from the business relationship with us. The law of the Federal Republic of Germany shall apply exclusively for all legal matters under exclusion of the conflict of laws and the agreement of the United Nations on Contracts of the International Sale of Goods (CISG).

10. Data storage

We are permitted to save and process personal data of the ordering party.

11. Final clauses

The potential ineffectiveness of individual stipulations of these terms of business shall not affect the validity of the other stipulations





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MEDIZINTECHNIK GMBH

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