



HELMUT

Content

ZEPF IK GMBH









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 not easy to meet his high standards. The well-known surgeon turned to Zepf, an instrument manufacturer in Seitingen that back then was still a rather young company, to produce 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 produce the Berlin professor's products the way he wanted. Their, back in those days, somewhat unusual collaboration built the foundation 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 high quantities with an even better quality. In the 1930's, Zepf increasingly specialized in manufacturing dental instruments, thereby formed the basis for the present company.



AESTHETIC IS THE RESULT



⁰¹⁻⁰⁶ Company Profile

-49 (0) 74 64 / 98 88 0



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I he company which is now in its third generation 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 regarding 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 for innovation. 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 aesthetic dentistry were as essential for 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.

Therfore, we would like to extend our thank you to you!

zepf-dental.com

The new **HELMUT ZEPF** IONIC 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.

Diagnostic 02-01

The adaptation of the practice-oriented requirements regarding communication, hygienics and flexibility make the **HELMUT ZEPF** IONIK 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







02-02 Diagnostic

are mentioned in the index from page 11-07.

+49 (0) 74 64 / 98 88 0

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.



Handle colors of HELMUT ZEPF GOOL Universal Handles:



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

26.193.10 **SOUR Handle, QUICKEIX**, double-ended

26.193.20 **SOUR Handle, QUICKEIX, single-ended with end cap**





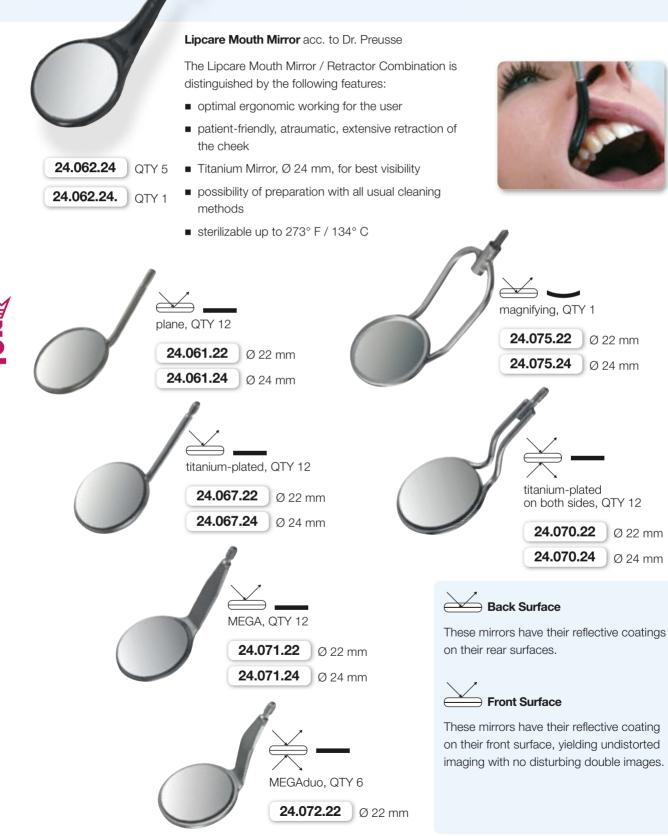
02-04 Diagnostic

ducts according to the Medical Device Directive 93/42/EEC CE K2016-12/1-E are mentioned in the index from page 11-07.

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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 DONK** Handle, please refer to page **03-03**.

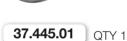


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Handle colors of the **HELMUT ZEPF** All-purpose Handles:



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.



Retractor acc. to Hilger

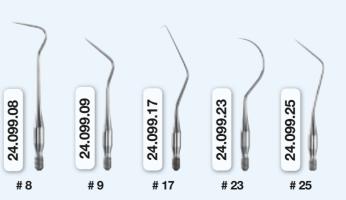
This retractor's ergonomically curved surface allows retracting cheeks and tongue under all kinds of working conditions and is also very comfortable for patients, thanks to its convex rear surface and rounded edges.

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 OOK** Handle, please refer to page **03-03**.



Diagnostic 02-05

26. 191.04

-26: 191.01

26.191.03

26.191.02

⁰²⁻⁰⁶ Diagnostic

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ZEPF Retractor and Mouth Mirror by Dentist Beck

The **ZEPF SOUR** Retractor and Mouth Mirror is available in two sizes, featuring a heart-shaped, ergonomic and highly polished design.

The instrument is available in size 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.







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Diagnostic 02-07

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.

Octagonal Handle



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



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⁰²⁻⁰⁸ Diagnostic

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ZEPF Dental Tweezers

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

The broader version with its shorter tips allow an application with more pressure compared to common tweezers.









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ZEPF Ergonomic Dental Tweezers

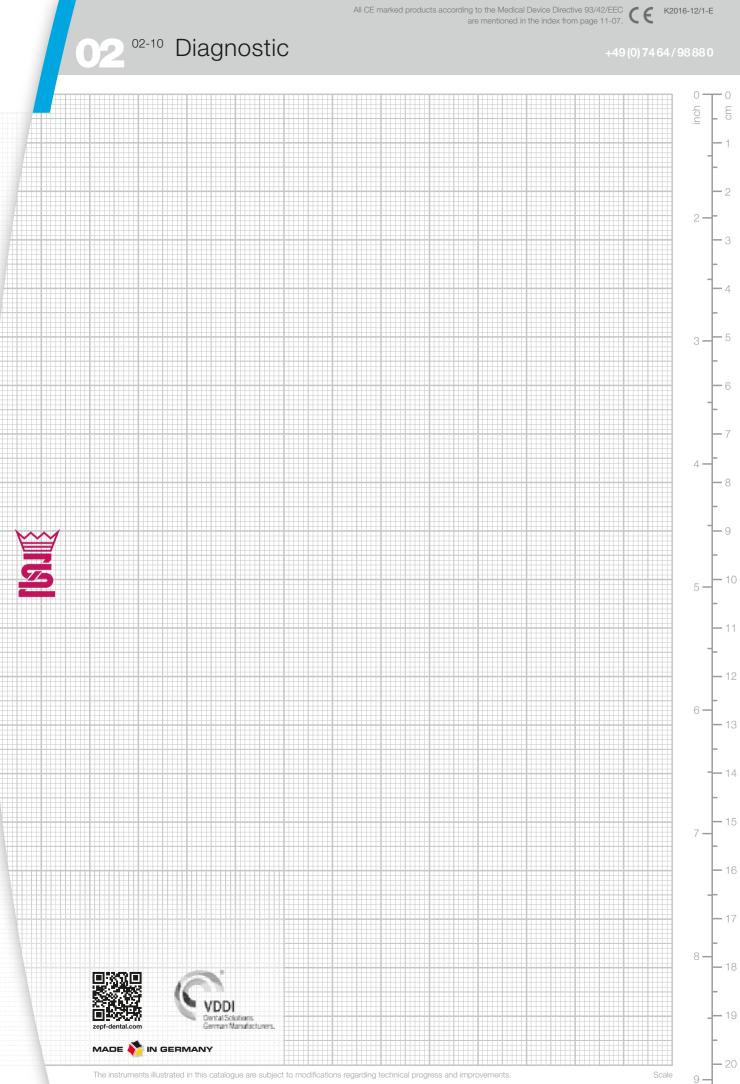
Our extra comfortable **HELMUT ZEPF** Ergonomic Dental Tweezers are pleasant to hold and have been specially designed for use in extended, otherwise tiring, applications.

Diagnostic 02-09

The broader version with its shorter tips allow an application with more pressure compared to common tweezers.







9-

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reddot design award

winner 2010

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Periodontology 03-01

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 at an early stage.

The benefit for the patient is that either the periodontal health can be confirmed or infection is detected early. Like that suitable dental treatments can be initiated 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 graduation (3 mm) of the probe is visible at the deepest point of the sulcus of all measuring points. Calculus or defective restoration margins cannot be detected, the gingiva 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.



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⁰³⁻⁰² Periodontology

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reddot design award winner 2010

blonk 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.

and the second s	yellow
and the second	signal orange
	red-purple
man - mar	signal purple
	lightred-magenta
	turquoise-brightblue
	cobalt-blue
	yellow green
and the second second	grey
and the second	black

	versal Handle
QUICK FIX ,	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



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



DODE 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 blook Handles please indicate the desired **ID-Plug** separately according to the listing below.

6	26.195.01
6	26.195.02
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6	26.195.04
6	26.195.05
	26.195.06
	26.195.07
6	26.195.08
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Periodontology 03-03



Universal Handle single-ended QUICKFIX for all common curette and scaler tips including 1 end cap

C	
26.193.1	1
26.193.1	2
26.193.1	3
26.193.1	4
26.193.1	5
26.193.1	6
26.193.1	7
26.193.1	8
26.193.1	9
26.193.2	

Universal Handle single-ended for

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

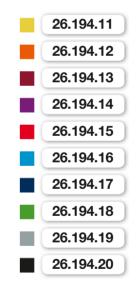
26.194.01
26.194.02
26.194.03
26.194.04
26.194.05
26.194.06
26.194.07
26.194.08
26.194.09
26.194.10



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

PIOUIK

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



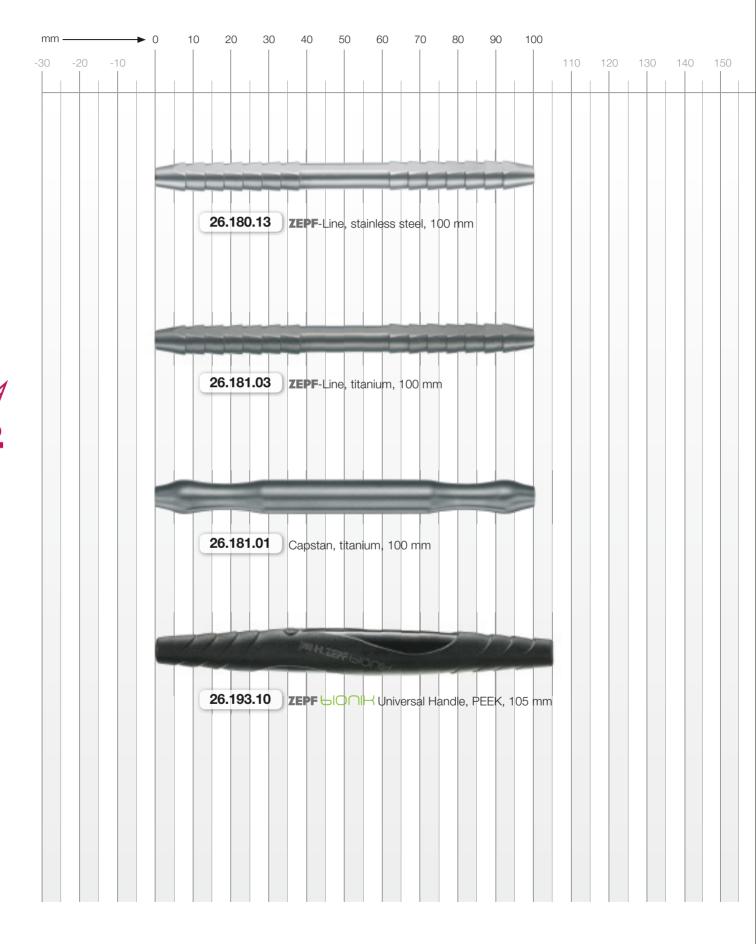
blonk End Cap (Length 25 mm) for using the handles as single-ended handle variants.

⁰³⁻⁰⁴ Periodontology

03

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



Safety Key with wings to exchange tool ends

24.755.02

Safety Key to exchange tool ends

24.755.03

Periodontology 03-05

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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 extremly sharp cutting edges of the tips.

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.





tips firmly in place. The

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 side wings protect from potential injuries due to the extremly sharp cutting edges of the tips.

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⁰³⁻⁰⁶ Periodontology

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Contrast PA Probe Inserts

The new **ZEPF** Contrast PA Probes are made of plastic material and have 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.









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



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









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

24.451.03 # PCPG 11.5

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



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









⁰³⁻⁰⁸ Periodontology

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Periodontal Probes

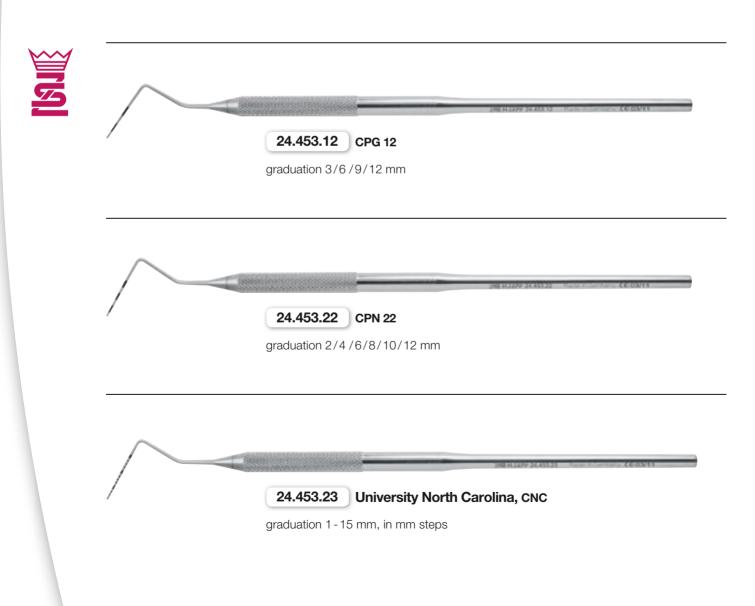
All **HELMUT ZEPF** Periodontal Probes are high-speed machined. Their tips are thus very fine and dimensionally accurate to within very high tolerances. All our PA-Probes have markings that are suitable for ultrasonic cleaning. Our WHO Periodontal Probes have spherical tips.

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.

24.453.03 CP 11.5 (WHO)

graduation 3.5/5.5/8.5/11.5 mm



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Periodontology 03-09

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** IONIK Handle is available in 10 different colors. See page **03-02** and **03-03** for the article numbers of all IONIK Handles available.



24.454.02 CPNG 22

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





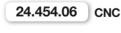


graduation 3.5/5.5/8.5/11.5 mm



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





graduation 1 - 15 in mm steps, North Carolina



24.454.06TI CNC

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

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⁰³⁻¹⁰ Periodontology



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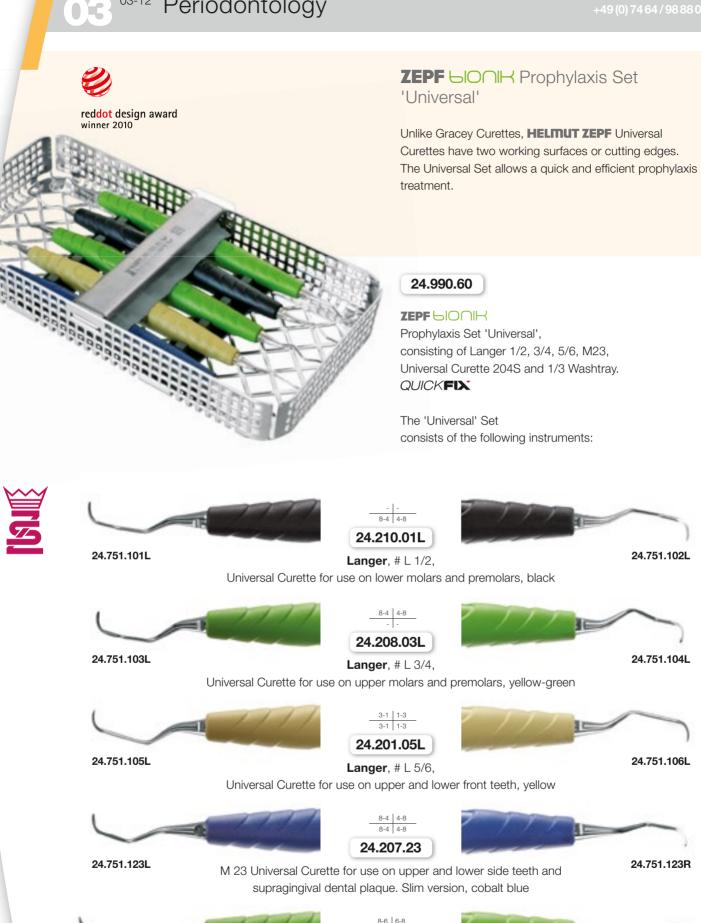
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Periodontology ⁰³⁻¹¹



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⁰³⁻¹² Periodontology



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

24.751.123R

24.751.102L

24.751.104L

24.751.106L

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Periodontology 03-13



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⁰³⁻¹⁴ Periodontology

+49(0)7464/98880



ZEPF 600 Gracey Special Curettes

red<mark>dot</mark> design award winner 2010 **HELMUT ZEPF** Gracey Curettes are special Curettes that have just a single working surface or cutting edge, and are thus suitable for removing concrementations or dental plaque only.

The **ZEPF** ||O |||| Handles are available in 10 different colors.

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



K2016-12/1-E C All CE marked products according to the Medical Device Directive 93/42/EEC are mentioned in the index from page 11-07.

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Yc

Color Coding **ZEPF GOONE** Gracey Special Curettes



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⁰³⁻¹⁶ Periodontology

+49(0)7464/98880



winner 2010

reddot design award

ZEPF GOOK Universal Curettes

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

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

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



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Periodontology 03-17



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⁰³⁻¹⁸ Periodontology

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winner 2010

reddot design award

ZEPF GOOR Universal Titanium Curettes **T**

Universal Curettes 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** Handles are available in 10 different colors. See page **03-02** and **03-03** for article numbers of the different color and handle versions. *QUICK*





Periodontology 03-19







surfaces of premolars/molars. Skewed to allow optimal placement, cobalt blue

F

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⁰³⁻²⁰ Periodontology

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ZEPF 600K Scaler

QUICKFIN

red<mark>dot</mark> design award winner 2010 **HELMUT ZEPF** Sickle Scalers have ultrafine tips for supragingival use. Unlike Jacquette scalers, they have curved facial surfaces. With blunt tips, for general use. All inserts are exchangeable.

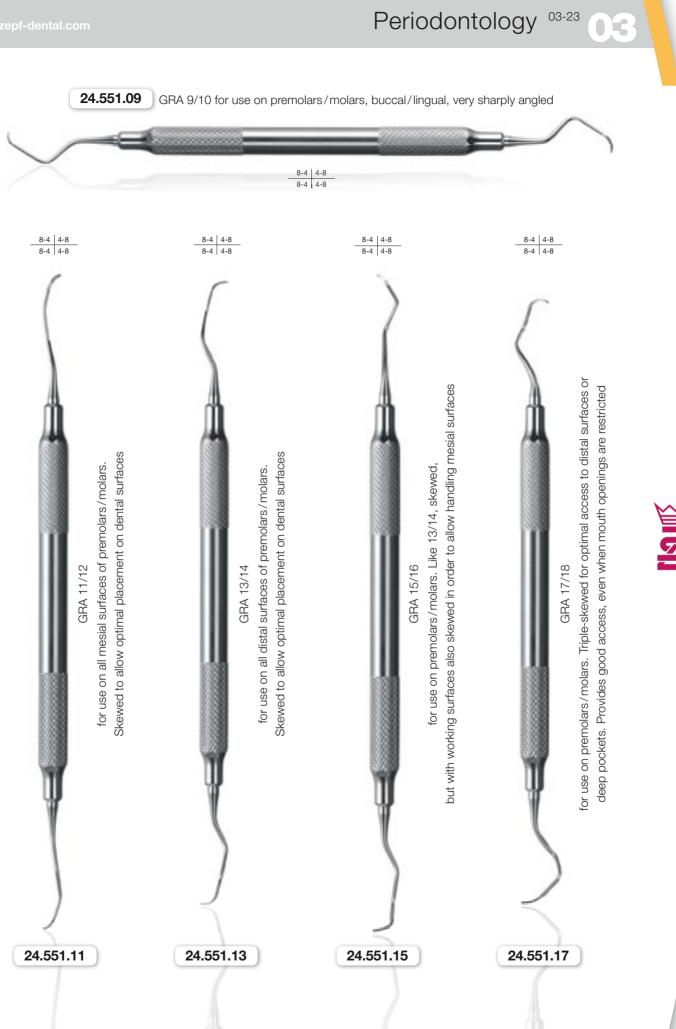
The **ZEPF GOUR** Handles are available in 10 different colors. See page **03-02** and **03-03** for article numbers of the different color and handle versions.

3-1 1-3 3-1 1-3 8-1 1-8 8-1 1-8 5-1 1-5 5-1 1-5 5-1 1-5 5-1 1-5 8-1 1-8 8-1 1-8 24.751.135UL 24.751.107HF 24.751.107H 24.751.102CI 24.751.130 matched to tooth contours for removing massive accumulations of dental plaque or plastic, cement, or adhesive residues from all interdental spaces, yellow-green Hygienist, # H 6/7, Sickle Scaler with opposed tips, very fine version, to tooth contours for use in all interdental spaces, yellow-green Mini-Kaplan, # Cl 2/3, Sickle Scaler with large facial surfaces Sickle Scaler, # U 135, with small facial surfaces matched Hygienist, # H 6/7, Sickle Scaler with opposed tips, for front teeth and premolars, yellow-green for front teeth and premolars, yellow-green Scaler for use on front teeth, yellow-green 24.751.106HF 24.751.135UR 24.751.103CI 24.751.106H 24.751.131 24.208.30S 24.208.06H 24.208.06HF 24.208.02CI 24.208.35U

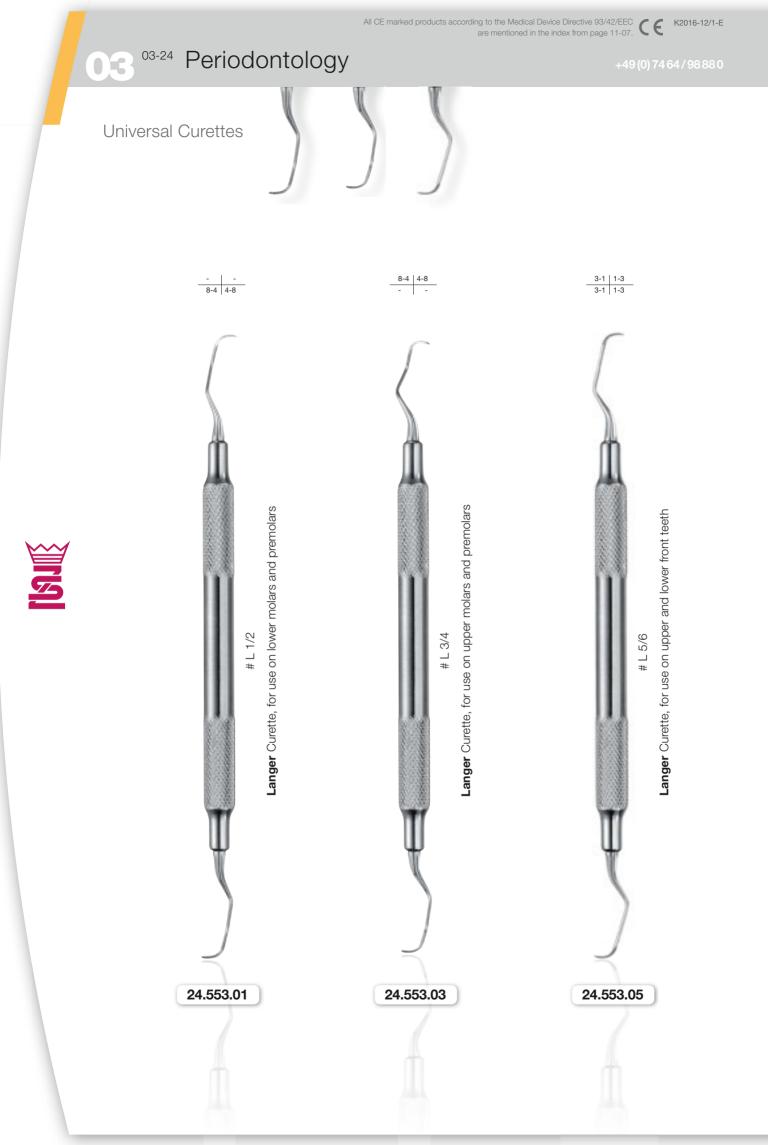




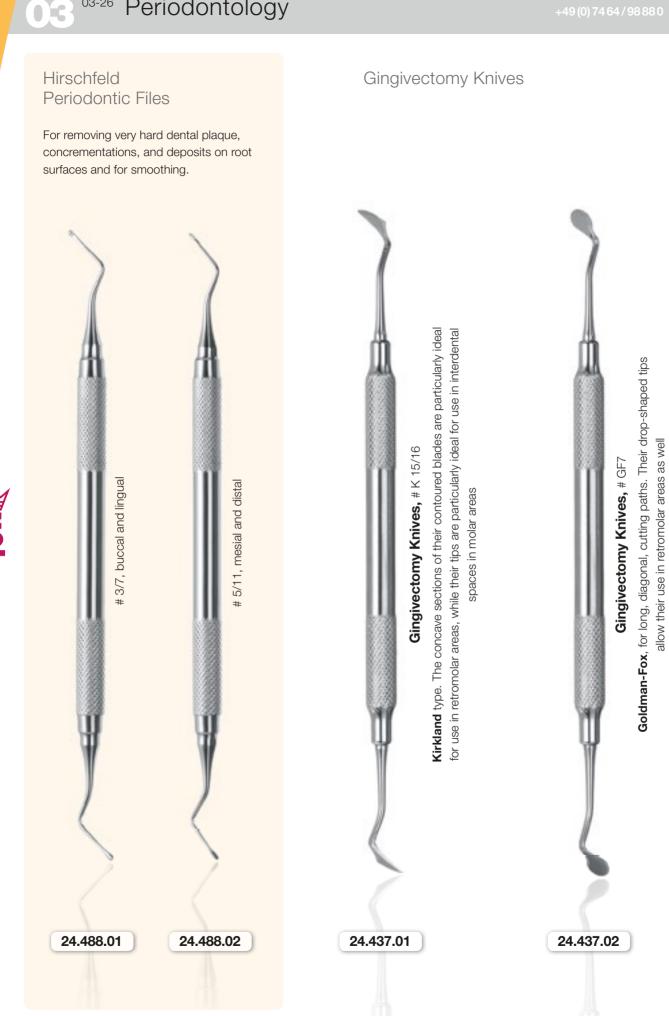




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⁰³⁻²⁶ Periodontology

K2016-12/1-E



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Periodontal Files



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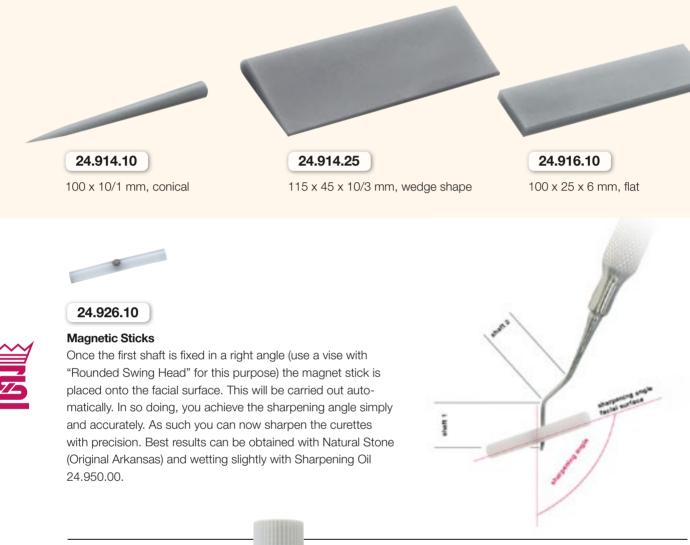
Periodontology 03-29

I

⁰³⁻³⁰ Periodontology

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Original Arkansas Sharpening Stones





24.926.75

Test Probe, Acryl Glass 76 x 6 mm, PU = 6 pieces



24.950.00

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





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



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Periodontology 03-31



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.



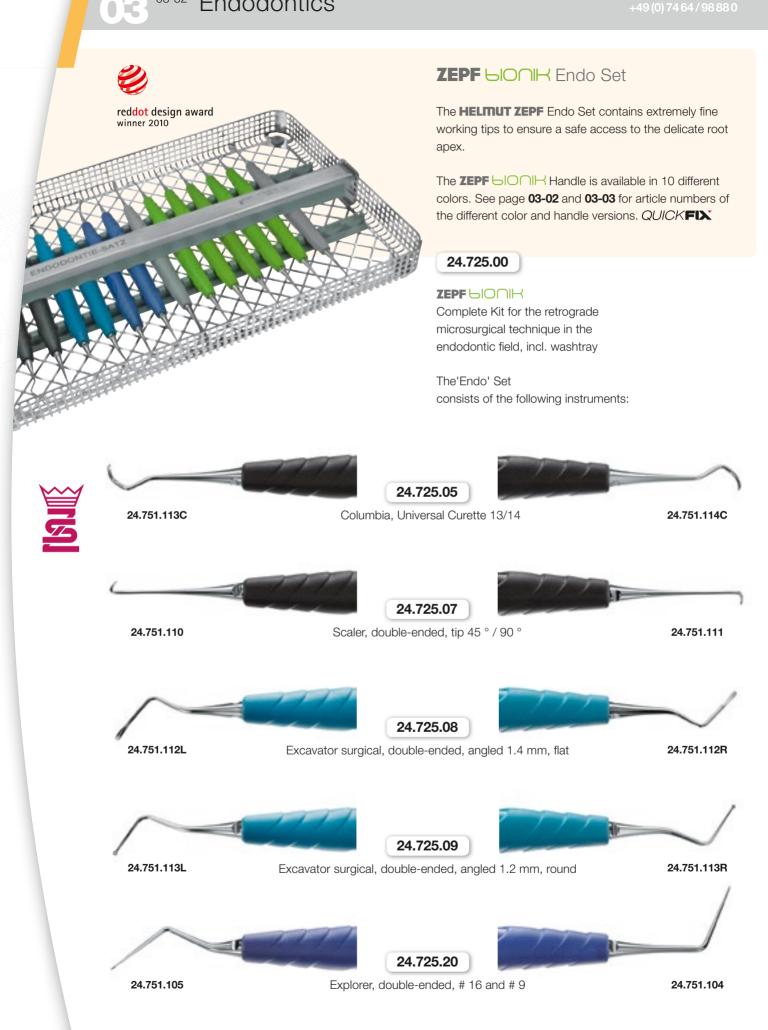
ZEPF Sharpening Stones

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.



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⁰³⁻³² Endodontics





⁰³⁻³⁴ Endodontics

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22.031.08 London-College 15 cm

Anatomical Plate Forceps acc. to Dr. Dirk Brozio

22.107.21

Anatomical Plate Forceps acc. to Dr. Dirk Brozio

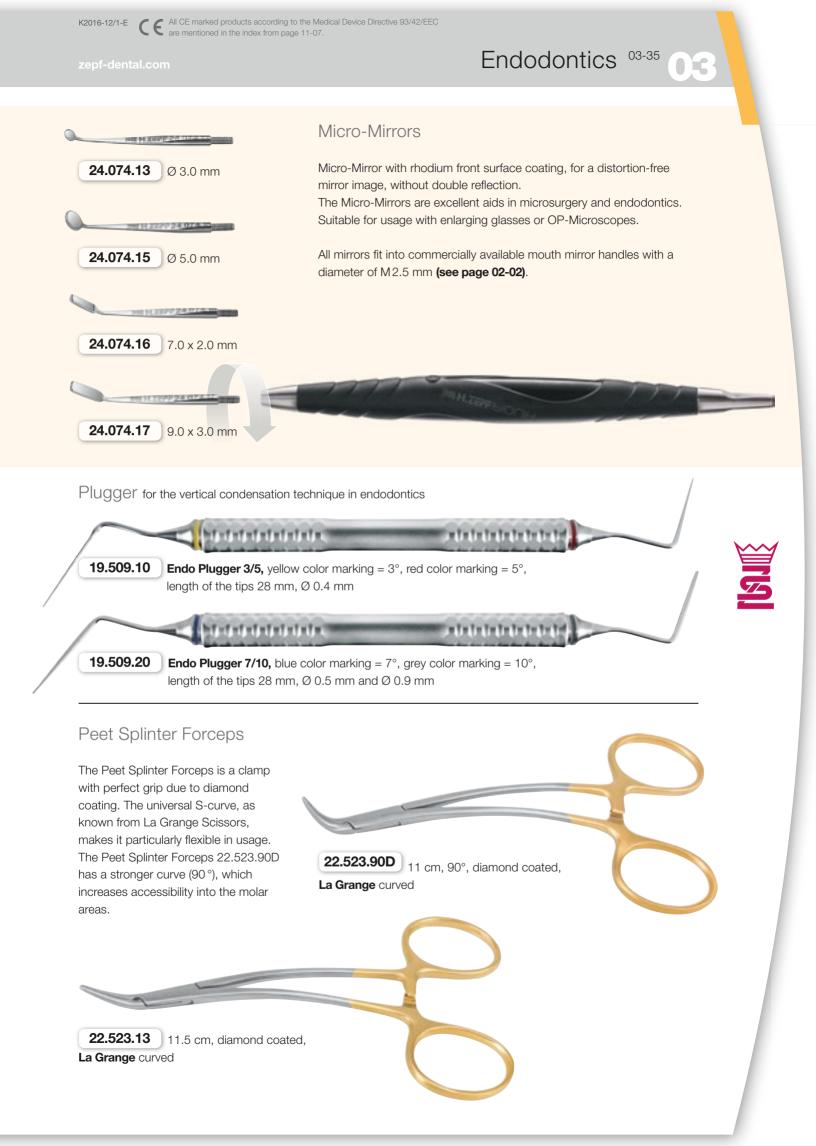
The full area contact generated by compressing the tweezers, ensures a safe support in each gripping angle. The Plate Forceps are featuring a much higher safety when gripping, holding and positioning fine and delicate objects. This problem has been solved by the patented design of the Plate Forceps as 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.

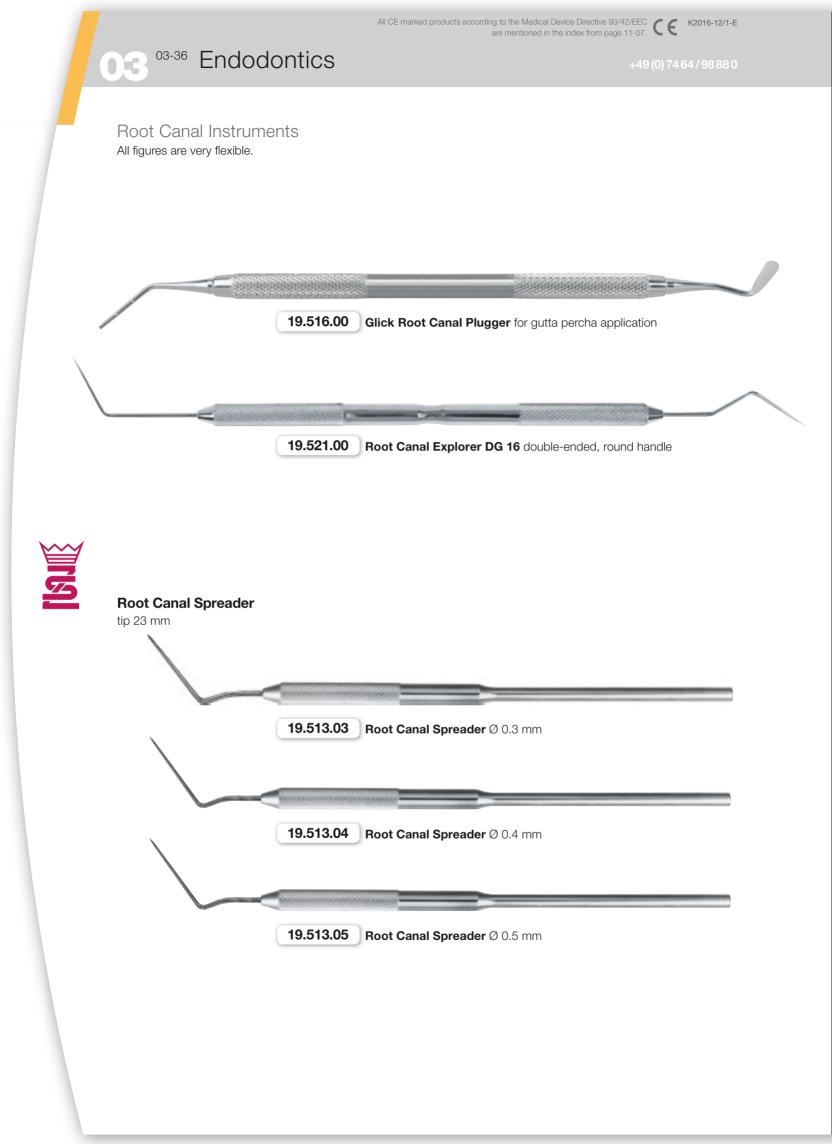
19.561.13

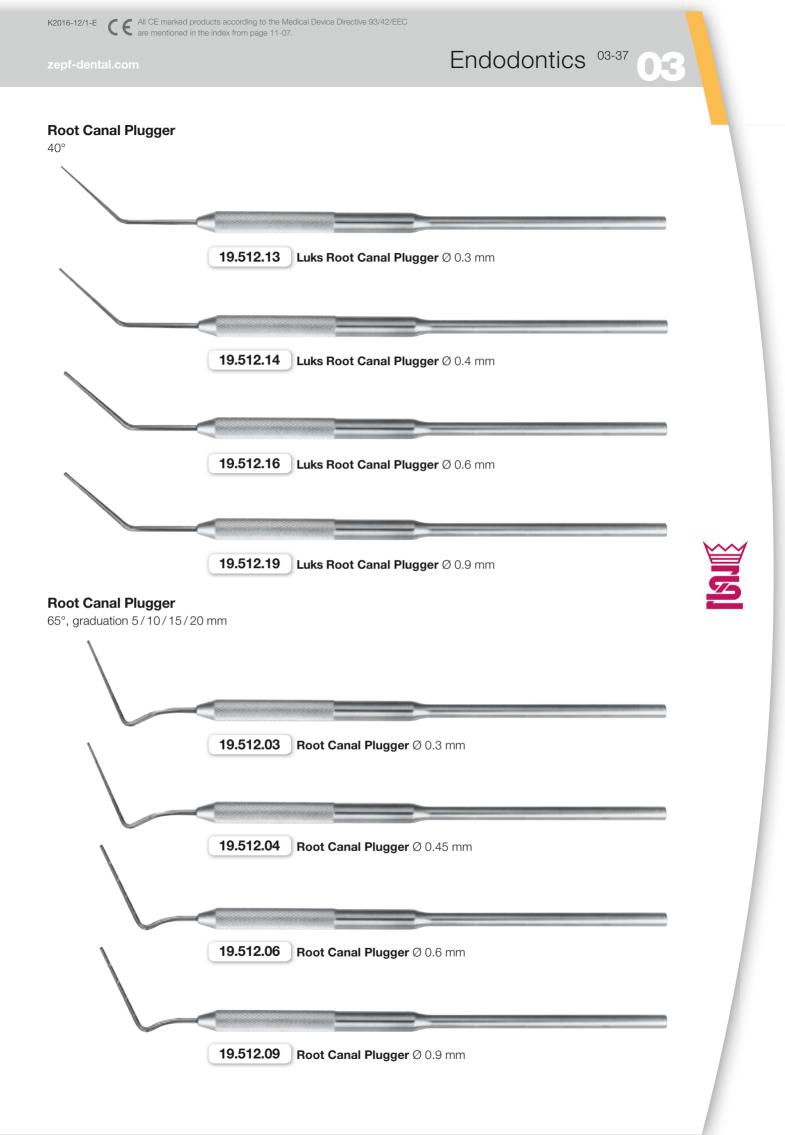
Nerve-Canal Pliers

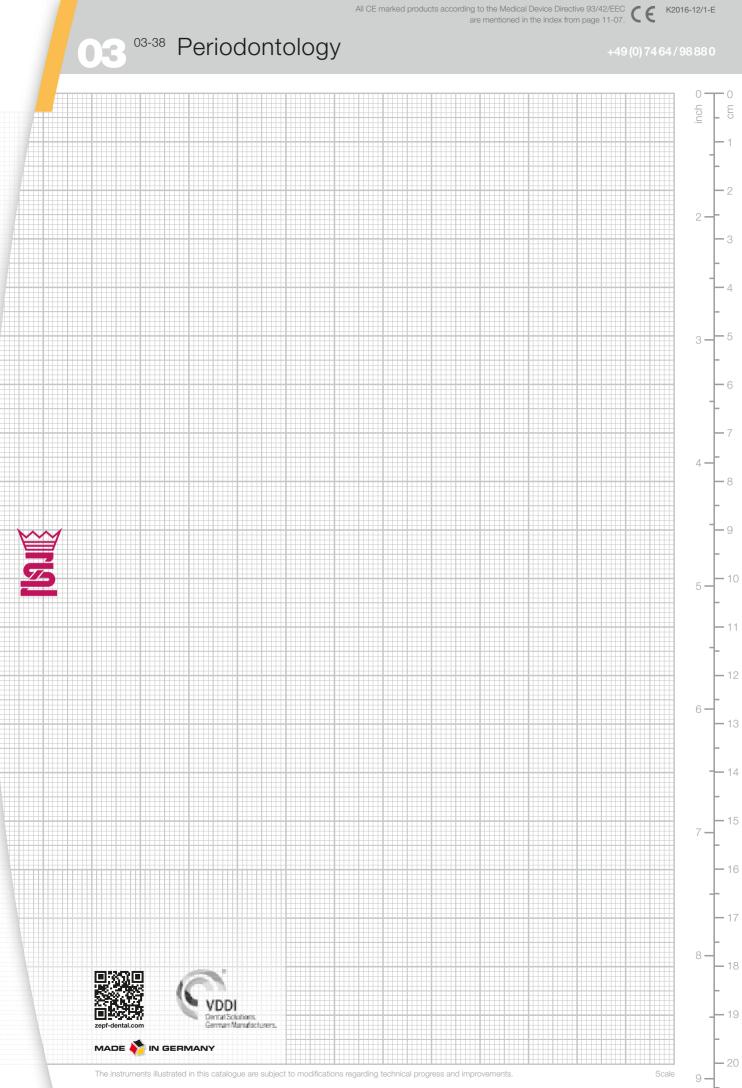
Nerve-Canal Pliers for grasping fractured root-canal instruments or silver pins. The very fine, concave cutout on the working tip allows to remove even deep-lying fractured files.

M









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Conservation 04-01

ZEPF **GOOK** 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 DONK** design are made of lightweight, highquality plastic material.

The **ZEPF 6 O 1H** 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

CompoSMOOTH Complete Set

by Prof. 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

1

Big Composite Set incl. Washtray 1/2 as described on pages **04-02** to **04-04** 04-02 Conservation

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The **ZEPF GOOK** 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 **X X** :





CE All CE marked products according to the Medical Device Directive 93/42/EEC are mentioned in the index from page 11-07. K2016-12/1-E

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.



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



K2016-12/1-E CE All CE marked products according to the Medical Device Directive 93/42/EEC are mentioned in the index from page 11-07.

zenf-dental.com

Conservation 04-05

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 light pressure. The tooth shape is modeled in a way that reduces the subsequent polishing work to a minimum... and the result – optimal!









04-08 Conservation

+49 (0) 74 64 / 98 88 0

Spatula

13

26.200.13

fine version, 1.6 mm

014

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.







⁰⁴⁻¹⁰ Conservation

+49(0)7464/98880

Excavators

04

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





zepf-dental.com

Conservation 04-11

04

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04-12 Conservation

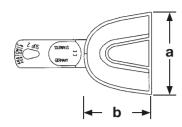
+49(0)7464/98880

28.631.02

a = 71 mm,

b = 60 mm,

SUP B2



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.

28.631.01

28.631.04

a = 65 mm,

b = 52 mm,

a = 80 mm,

SUP B1

Regulars (BO)





28.631.00

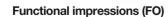
28.631.03

a = 55 mm,

b = 39 mm,

a = 73 mm,

SUP BO





2	28	.63	33.	.01	
_	-		-	-	

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

28.633.02	
a = 67 mm,	

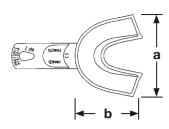
a = 67 mm,b = 55 mm, SUP F2

28.633.03

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



Conservation 04-13



Regulars (BU)



Edentulous (UU)



Anatomic Ehricke 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.

28.636.00

28.636.03

28.638.01

a = 71 mm.

b = 58 mm,

INFU1

a = 61 mm,

b = 44 mm,

a = 82 mm,

b = 58 mm,

INF B3

INF B0

28.636.01 a = 72 mm,

b = 51 mm, INF B1

28.636.04 a = 83 mm,

28.638.02

a = 70 mm.

b = 58 mm,

INF U2

b = 65 mm,INF B4



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



Partials, depressed centers (PU)



28.637.01 a = 64 mm. b = 53 mm, INFP1

28.637.02 a = 71 mm.

b = 59 mm, INF P2

28.637.03

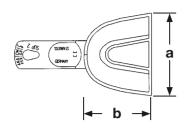
a = 80 mm. b = 59 mm, INF P3

Modeling Knife for Impressions

Silicone Knife with cutting loop.

28.121.00

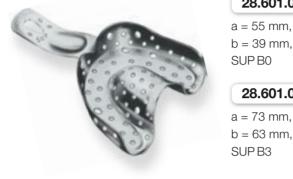
04-14 Conservation



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)
----------	------



Edentulous (UO)

28.604.01 a = 65 mm, $b = 56 \, \text{mm},$ SUP U1

28.601.00

28.601.03

b = 52 mm, SUP B1 28.601.04

a = 65 mm,

28.601.01

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

28.604.02

a = 68 mm,

b = 61 mm,

SUP U2

28.601.02 a = 71 mm,

b = 60 mm,SUP B2

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

28.604.03



Dartiale	depressed	contors		
rai uais,	uepresseu	Centers	FU)	



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

28.602.03

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

unctional impressions (FO)	28.603.01	28.603.02	28.603.03
C. P.	a = 61 mm,	a = 67 mm,	a = 77 mm,
Carl Carl	b = 50 mm,	b = 55 mm,	b = 63 mm,
	SUP F1	SUP F2	SUP F3

zepf-dental.com

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.

28.606.01

a = 72 mm,

b = 51 mm,

Conservation 04-15

Regulars (BU)



Edentulous (UU)



28.606.00

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

28.606.03

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

28.608.01

a = 71 mm,

b = 58 mm,

INFU1

INF B1 **28.606.04** a = 83 mm,

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

28.608.02

a = 70 mm,

b = 58 mm,

INF U2

28.606.02 a = 78 mm,

a = 76 mm, b = 54 mm, INF B2

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



Partials, depressed centers (PU)



28.607.01	28.607.02
a = 64 mm,	a = 71 mm,
b = 53 mm,	b = 59 mm,
INFP1	INF P2

28.607.03

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

04-16 Conservation

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



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.





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



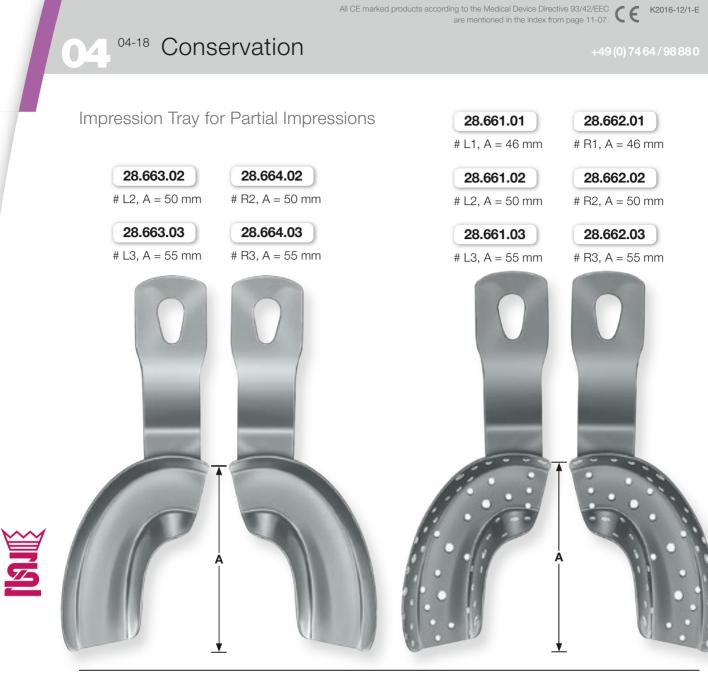
6. For undisturbed repositioning, the perforated channel may be extended further using a super-coarse mill.



7. After the impression areas have been surrounded by ligth-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.



Stolley with screw

28.671.00 perforated

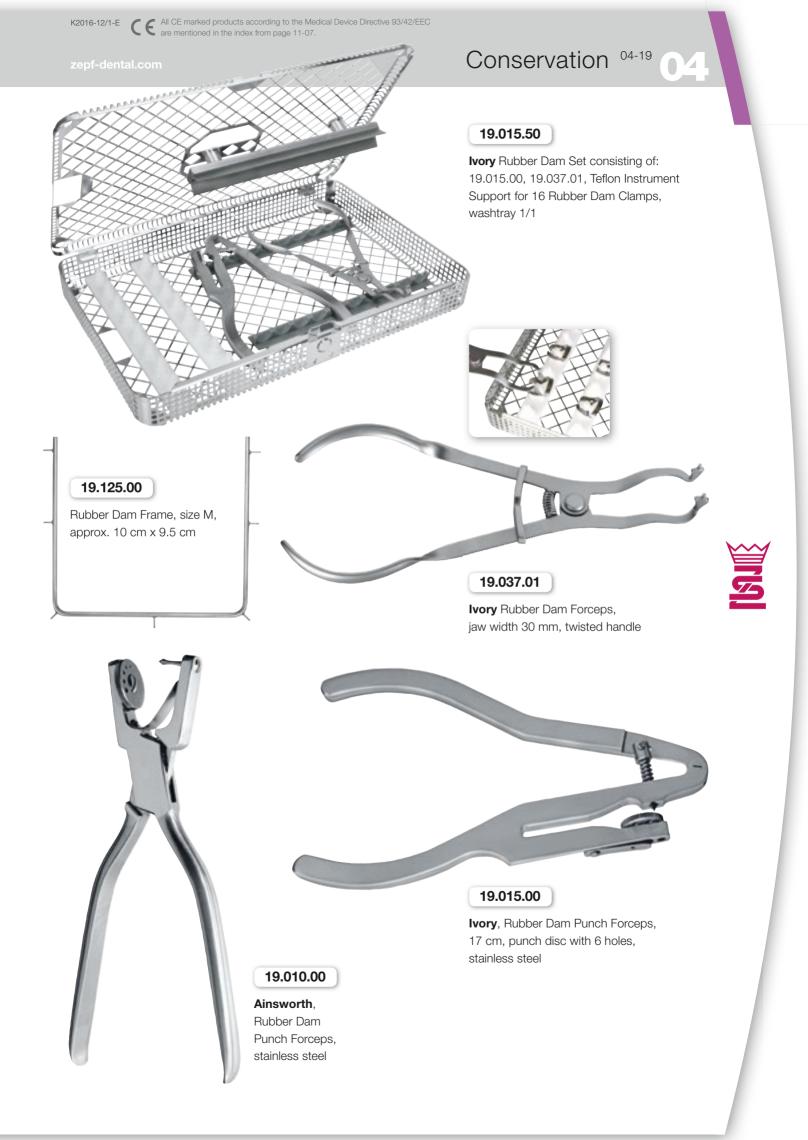
28.672.00 non-perforated



Stolley with bolt 28.681.00

perforated

28.682.00 non-perforated



04-20 Conservation

+49 (0) 74 64 / 98 88 0

10,199,00

19.199.00

Brush Holder

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.







Its features at a glance

- Includes a dual brush receptacle and an original **ZEPF** scaled handle.
- Universal use on both upper and lower jaws and on all dental surfaces and cavities.
- No need for plastic applicators (reduces waste).
- May be desinfected and sterilized by using any standard procedure.
- Virtually unlimited service life.
- Designed for optimal ergonomy and general-purpose use.
- Suitable for all regular brush inserts (single use).
- Used in all areas of dentistry, especially adhesive restoration work.



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Conservation 04-21

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.





04-22 Conservation

+49 (0) 74 64 / 98 88 0

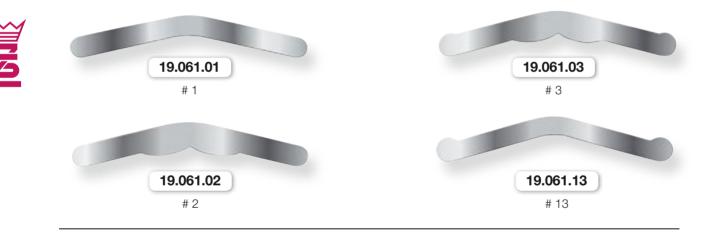
Tofflemire Matrix Retainer

Manufactured from stainless steel.



Tofflemire Matrix Bands for 19.060.00

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



Articulating Paper Forceps



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zepf-dental.com

Conservation 04-23

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 strainless 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 till 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.

19.080.12D

ZEPF Easy Matrix Setter by Dr. Schmidt

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

19.080.12M

by Dr. Schmidt Clamp for placing partial matrixes, 12 cm, angled 90°, mesial

ZEPF Easy Matrix Setter



The instruments have modified jaws for a secure gripping and application of the matrix 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.

19.080.12

Set, ZEPF Easy Matrix Setter by Dr. Schmidt

Clamp Set consisting of:

19.080.12D and 19.080.12M

04-24 Conservation

K2016-12/1-E

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.



All CE marked products according to the Medical Device Directive 93/42/EEC

are mentioned in the index from page 11-07.

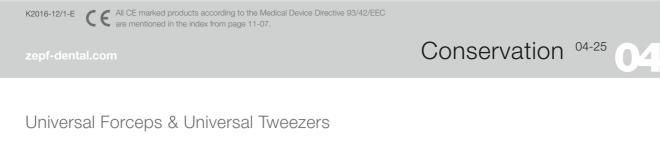


ZEPF Finishing Clamp, QTY 2 pieces DBGM by Dr. Peter Müller, Ebersbach



Fields of Application:

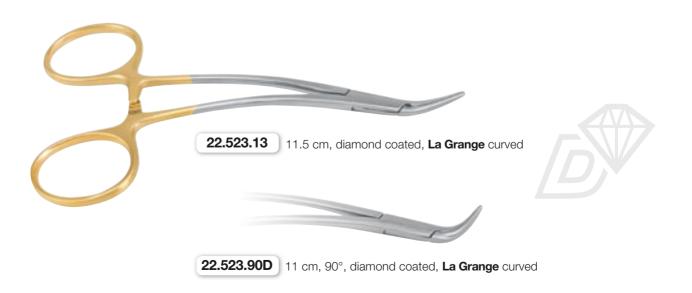
- 1) Completion of approximal composite fillings.
- 2) Separating by means of steel-carbon strips or diamond skived steel strips.
- 3) Correction of filling over-hangs in the approximal area.
- 4) Removal of matrix strips after laying fillings.
- 5) Clamping dental floss for interdental plaque removal, 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.



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.



Peet Splinter Forceps





PATENTED

12.300.08

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

HILDOF CE 00/13 12 300.00

Extraction 05-01

Extraction System

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

05-02 Extraction

K2016-12/1-E



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

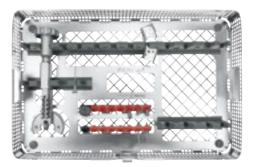
Extraction System Ben**ex**[®]II acc. to Dr. med., med. dent. Benno Syfrig Polygon of forces, Polygon of forces conventional: with Benex*II: Pressure on the Purely axial traction alveolar wall by forceps or root elevator

All CE marked products according to the Medical Device Directive 93/42/EEC

are mentioned in the index from page 11-07.

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 $\operatorname{Benex}^*\!I\!I$ 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 IIis an optimal basis for direct implantation. It is also a valuable help for retarded implantation after the extraction with the Benex ${}^{*}\Pi$ 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 washbasket 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



Benex II Basic Kit



Extraction 05-03

Alveolar Ridge Preservation with $\operatorname{Benex}^* II$

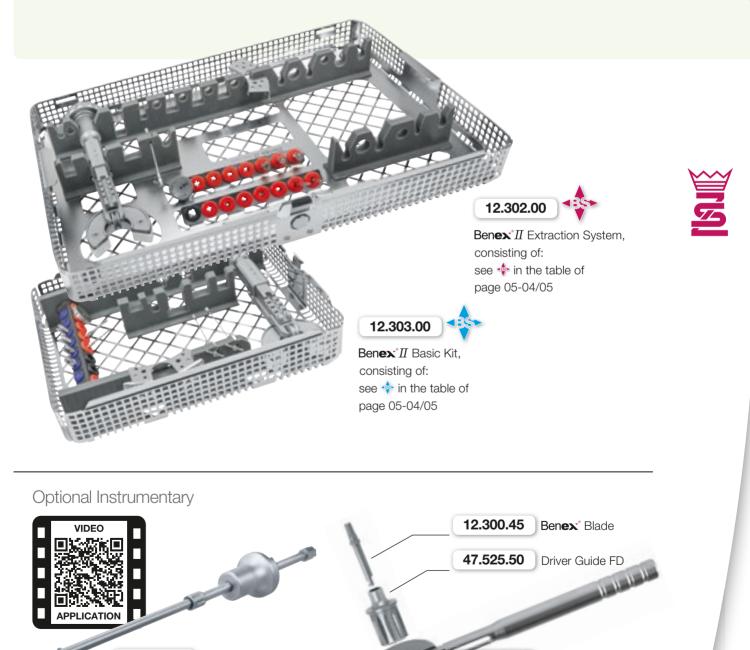
What does it mean?

Alveolar Ridge Preservation means the treatment of the dental alveolus 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 dismounted **Benex**^{*} System in a washbasket 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 periotome, an Xtool and an optional **Benex**^{*} Pole Extractor can be placed in the support.



47.525.55

Ratchet with demountable handle

Benex* Pole Extractor

12.300.11

05-04 Extraction

05

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	Illustration	Article Description	Order Quantity
		 12.302.00 Benex* II Extraction System, consisting of: Benex* II Extractor, 2 Pullropes 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, 85.195.10 Washbasket with Lid, 12.302.01 Tray / Rack for Benex* II 	1 piece
		12.302.01 Benex*II Tray / Rack	1 piece
		85.195.00 Washbasket 1/1 with Lid and Press Button Lock	1 piece
		 12.303.00 Benex II Basic Kit, consisting of: Extractor, 2 Pullropes 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, 85.194.10 Washbasket with Lid 	1 piece
		85.194.10 Washbasket 1/2 with Lid and Press Button Lock	1 piece
		► 12.300.08 Ben ex [*] <i>II</i> Extractor	1 piece
	6	12.300.15 Replacement Support Disc, 8 mm (PTFE), optional	1 piece
	(a	12.300.16 Support Disc, diagonally right, optional	1 piece
	ere a	12.300.17 Support Disc, diagonally left, optional	1 piece
	*	12.300.20 Pullrope, 48 mm	2 pieces

K2016-12/1-E C C E All CE marked products according to the Medical Device Directive 93/42/EEC are mentioned in the index from page 11-07.

zepf-dental.com

lustration	Article Description	Order Quantity
4.00 · · ·	12.300.30	2 pieces
1 Alexandre	Diamond coated Drill for Screws Ø 1.6 mm 12.300.60 and 12.300.70	(1 💠 🍫)
A STREET, STRE	12.300.35	2 pieces
	Diamond coated Drill for Screws Ø 2.1 mm 12.300.65 and 12.300.75	(1 💠 🧇)
*	♦ 12.300.47	1 piece
	Driver Guide, short	
-	12.300.60	2 pieces
5.00	Screw, Ø 1.6 mm, 10 mm, S = Short	(1 💠 💠)
1.D	12.300.65	2 pieces
	Screw, Ø2.1 mm, 10 mm, SF = Short & Fat	(1 💠 💠)
-	12.300.70	2 pieces
6.96	Screw, Ø1.6 mm, 16 mm, L = Long	(1 💠 🢠)
	12.300.75	2 pieces
	Screw, Ø2.1 mm, 16 mm, LF = Long & Fat	(1 💠 💠)
*	▶ 12.300.80	1 piece
	Quadrant Support for Benex [*] to bridgeover bigger gaps and for the universal molding	
and the second s	12.300.11	1 piece
1	Benex [®] Pole Extractor, optional	
	47.525.55	1 piece
	Ratchet with demountable handle, optional	
	47.525.50	1 piece
	Driver Guide FD, optional	
	12.300.45	1 piece
	Benex [*] Blade for Driver Guide FD, optional	

Extraction 05-05

05

All CE marked products according to the Medical Device Directive 93/42/EEC CE K2016-12/1-E are mentioned in the index from page 11-07.

49 (0) 74 64 / 98 88 0







Application of the Extraction System

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

2. Strong, large roots must be loosened / luxated by axial movements within 30 sec., using a slim elevator / twister (λ to d 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 I 12.300.30 max. 3000 rpm I 12.300.35 max. 2200 rpm

4. According to circumstances, the short or long extraction screw with screwing support III 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.













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

Extraction 05-07

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 *terr cisim*-Instrument-Line extraordinarily easy to be cleaned since there are no more hygiene-critical zones as with instruments with serrated handles.

The ideal handling and tactual sensation is guaranteed.

From design to functionality, this product line answers all your concerns. The ^{TEPF} ★ *Cisi*() Handle is a registered model of **HELMUT ZEPF**, which has been developed with Dr. Maty.



05-08 Extraction

+49 (0) 74 64 / 98 88 0

Extracting Forceps





Patterns

All figures from **HELMUT ZEPF** are available in the following patterns: $A = \lambda cisic m$ and S = Standard English Pattern





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

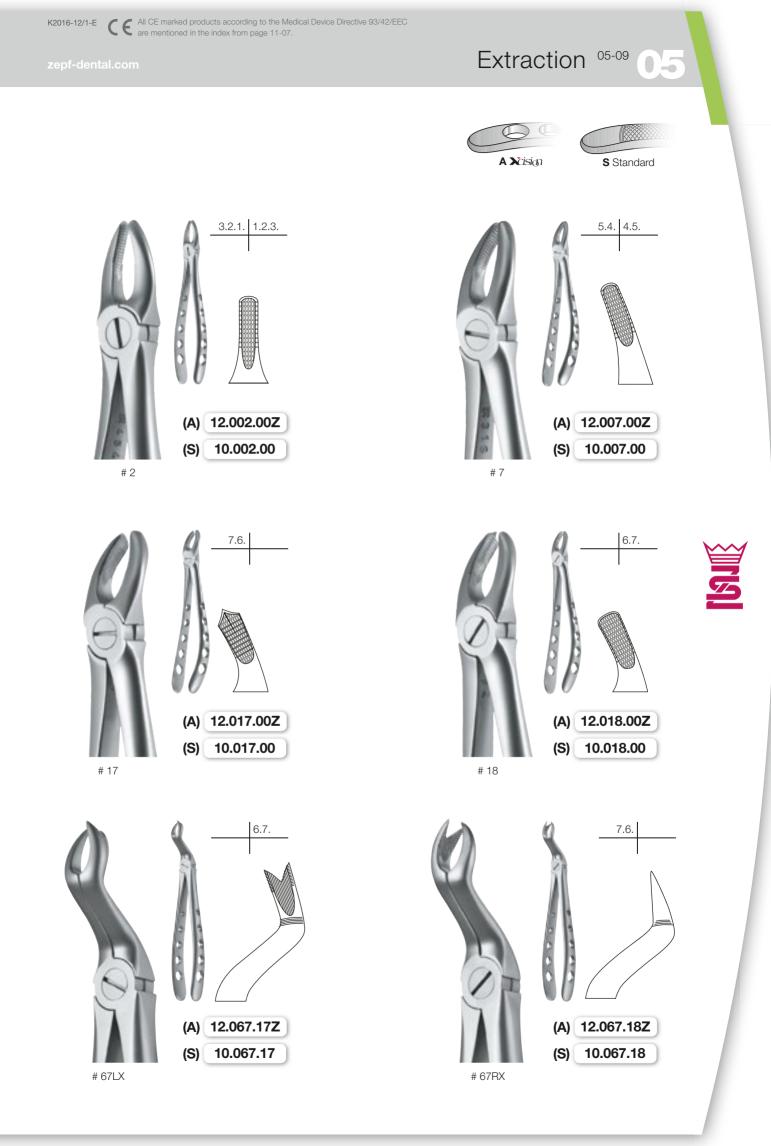
The wear-resistant Teflon Disc eliminates wear and tear in the joints and provides a light action at all times.



Grooved Gripping Surfaces

Grooved gripping surfaces provide a secure grip and prevent slipping.





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05-10 Extraction



1-5







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

W





8. 8. (A) 12.067.01Z (S) 10.067.01



67A





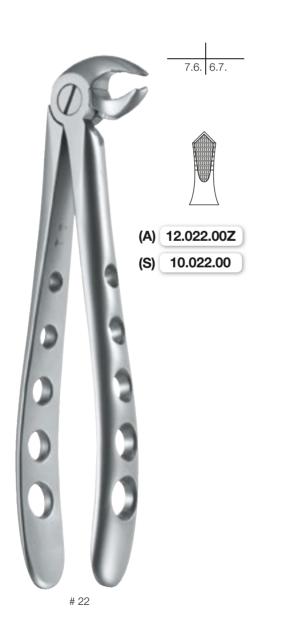






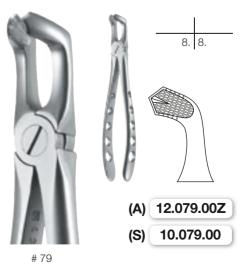
51A











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⁰⁵⁻¹² Extraction

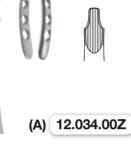


0.5





3.2.1. 1.2.3.



34





34A



5.4. 4.5.

3.2.1. 1.2.3.



35







⁰⁵⁻¹⁴ Extraction

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49 (0) 74 64 / 98 88 0



Secure-Line

Our special **HELMUT ZEPF** Extracting Forceps in our modern **TEPF X** *isi*(*s*) 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 easy handling and superior "feel" of all our **TEPF X** *isi*(*s*) Lines of Extracting Forceps are of prime importance for this product line!



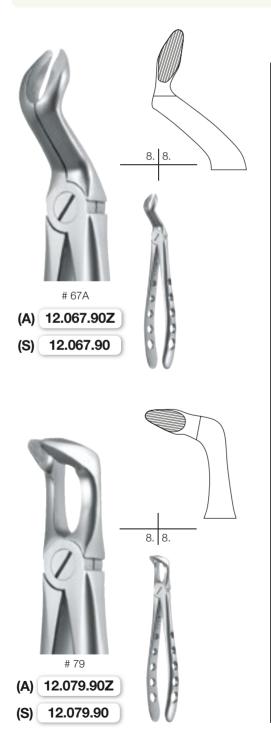
K2016-12/1-E CE All CE marked products according to the Medical Device Directive 93/42/EEC are mentioned in the index from page 11-07.

zepf-dental.com

Rescue-Line

No reason to panic! These forceps will allow you to carry out any extraction and work more efficiently even under complicated circumstances. 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 tissue by slightly 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'**.





(A) 12.051.15Z 12.051.15ZS (S) 12.051.15



Extraction 05-15



All CE marked products according to the Medical Device Directive 93/42/EEC CE K2016-12/1-E are mentioned in the index from page 11-07.

05-16 Extraction

+49 (0) 74 64 / 98 88 0

14.700.01





Their angled shape 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.

S Standard

Witzel All-Purpose Root-Splinter Forceps diamond-tipped

Our special forceps for extracting root splinters from both upper and lower jaw 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.









⁰⁵⁻²⁰ Extraction

0-5

All CE marked products according to the Medical Device Directive 93/42/EEC CE K2016-12/1-E are mentioned in the index from page 11-07.

49 (0) 74 64 / 98 88 0

Extracting Forceps, American Pattern

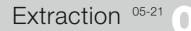
Diamond Version

All forceps are also available in the diamond version. For ordering etc., just add a ${\bf D}$ to the article number





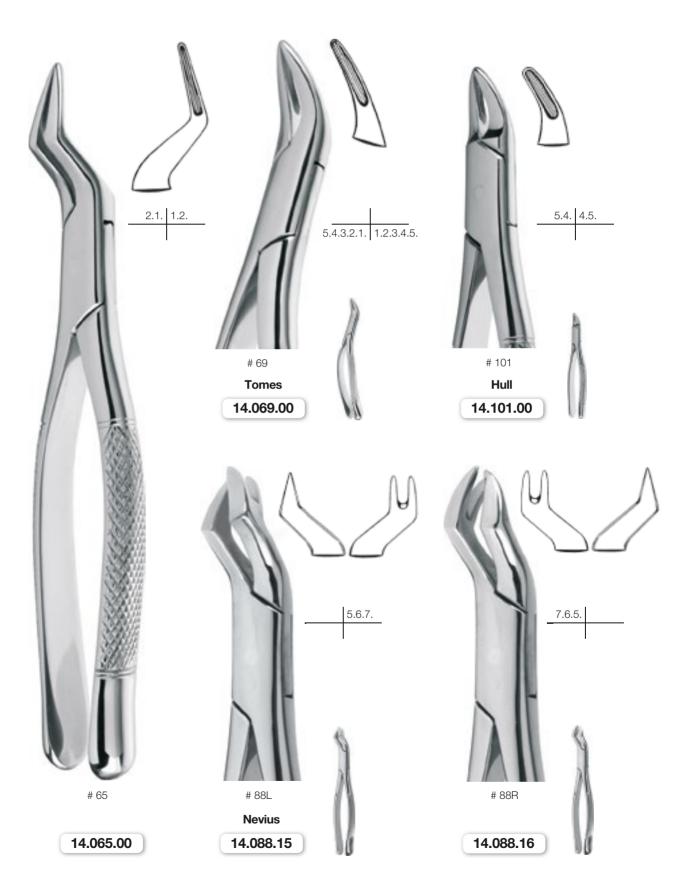


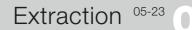




0-5







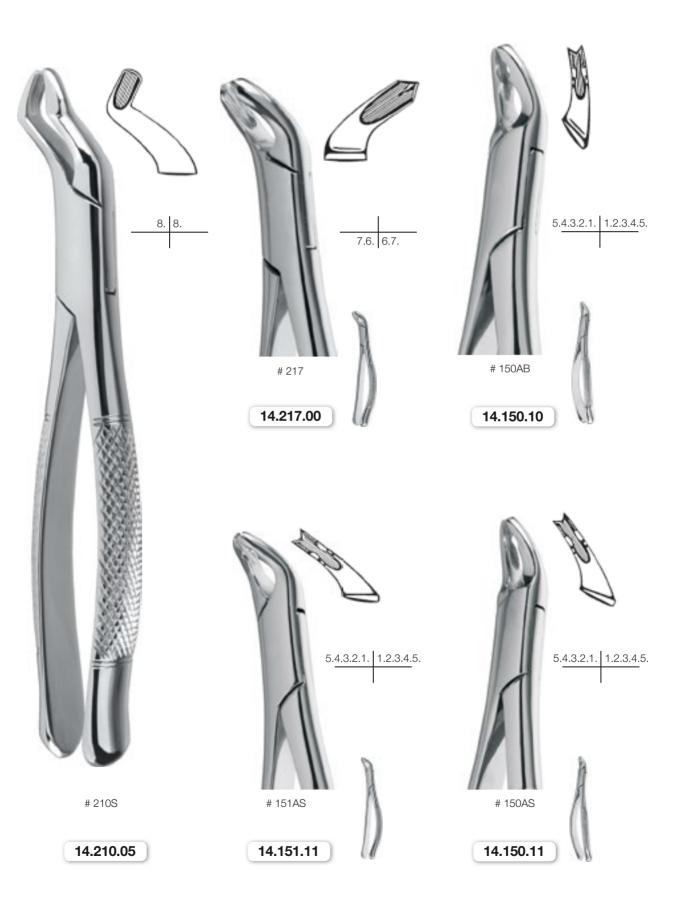


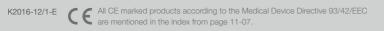
⁰⁵⁻²⁴ Extraction

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+49 (0) 74 64 / 98 88 0



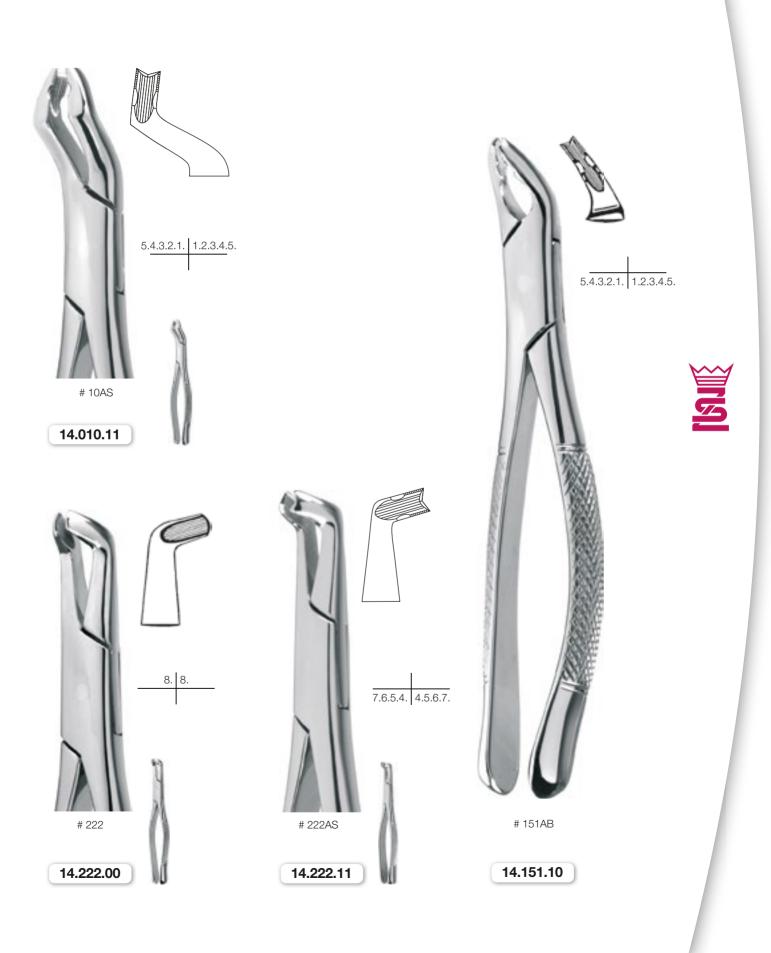




Extracting Forceps, American Pattern

Extraction 05-25

0.5



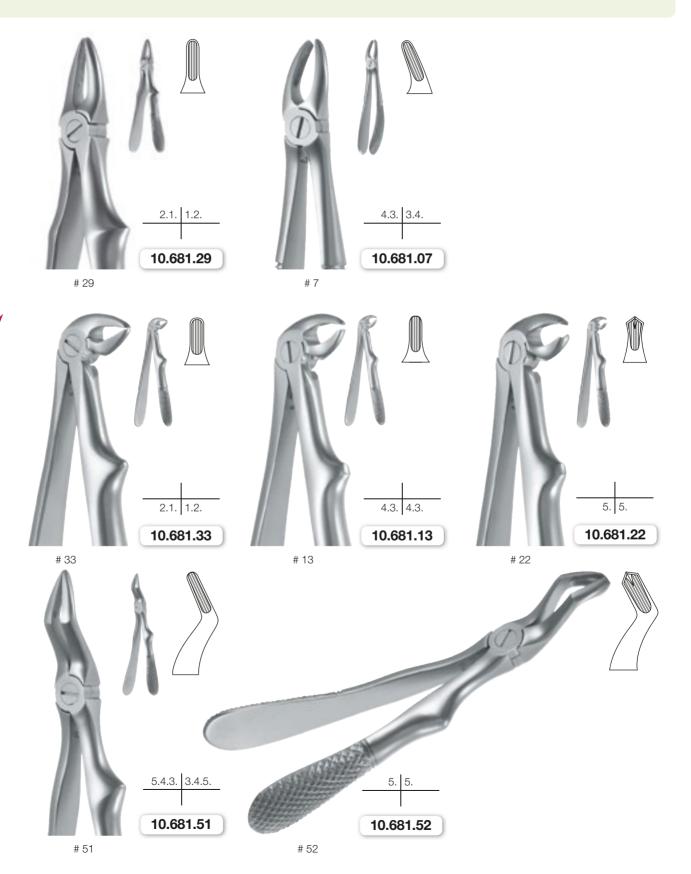
⁰⁵⁻²⁶ Extraction

+49 (0) 74 64 / 98 88 0

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



Extraction 05-27

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 **TEPF Cision** 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.

+49 (0) 74 64 / 98 88 0

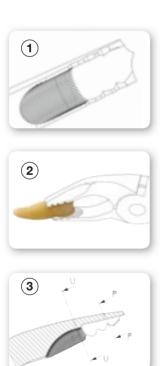
ZEPF E D I T I O N PATENTED

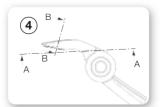
With the patented RoBa-Edition **HELMUT ZEPF** introduces a new generation of extracting forceps. Deduced from the **TEPF X***isi*(*t*) Instruments the RoBa-Edition has been especially developed in consideration of easy and gentle extraction.

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 conditions The handle is a protected design from **HELMUT ZEPF**, which was developed in co-operation with Dr. Maty, Germany.







- (1) The serrated jaws grip onto into the teeth and avoid 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.

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Extraction 05-29



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 complemented by **TI**.





Diamond Version

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

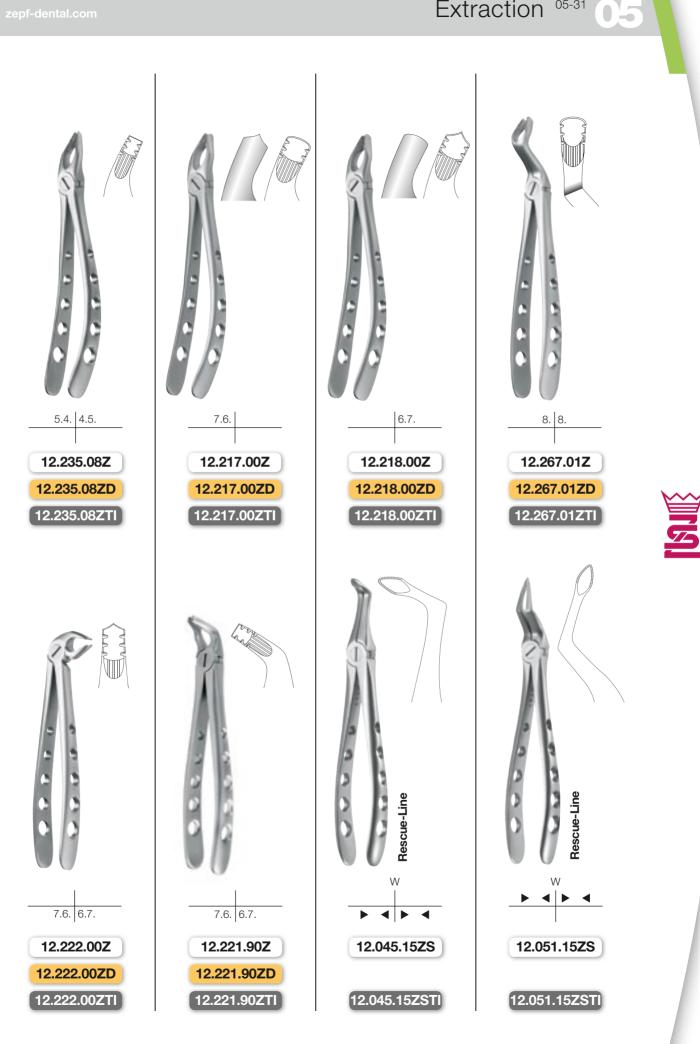
The lower part of the **TEPF** Cisic Handle is gold-plated. For ordering etc., just add a **D** to the article number.



IM



Extraction 05-31



⁰⁵⁻³² Extraction

+49 (0) 74 64 / 98 88 0

Children Forceps RoBa-Edition

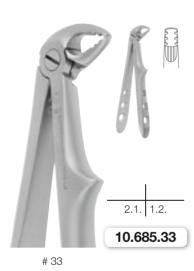
Extracting Forceps modif. by Dentist Beck

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 Dentist Beck are 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 onto the teeth which ensures a maximum grip during the appliance.

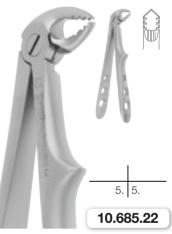








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Refreshingly Innovative

The new generation of extracting forceps in the patented **ZEPF exlo** 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.

Extraction 05-33

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

exlo

ISI



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15.067.90

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35A



15.034.00

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The **exio** 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 dilatability 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 handles and the possibility of dismantling, the **exloc** 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 reprocessing in a washtray the disassembly is a great advantage as they need less space.

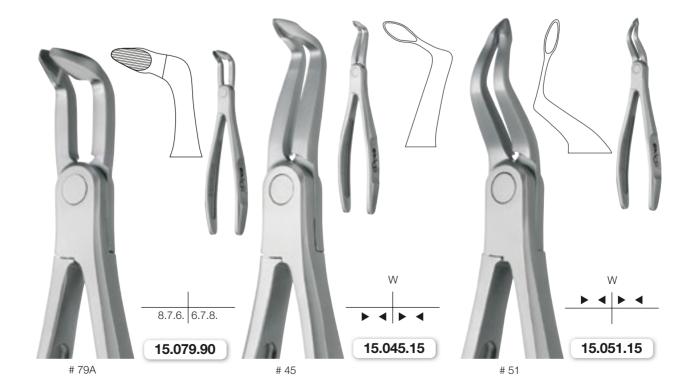


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36A

21N

Extraction 05-35



05-36 Extraction

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All Advantages on One View:

- excellent anatomic adaptation on the tooth surface
- tapered beaks for less trauma and protection of the alveolar loculus
- linear serrated jaws for equal axial luxation
- better fibre dilatability 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 maintenance of the joint necessary

Focus on the exl_G , the standard of tomorrow.

A NEW STANDARD IS DEFINED



PATENTED

PATENTED

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ex

ZEPF

Ε



ZEPF EXLOG RoBa Edition Extracting Forceps

Extraction 05-37

With the new **exlog** RoBa Edition **ZEPF** introduces a new generation of patented extraction forceps. Two patented extraction forceps are combined into one.

The EXLOG Forceps characterized by the fact that it's easy to disassemble and the RoBa characterized by its patented jaws.

It made sense to combine both patents as the combination results in a type of forceps which is easier to clean than ever before and additionally offers the dentist a functional extraction tool which leaves no desire unfulfilled.

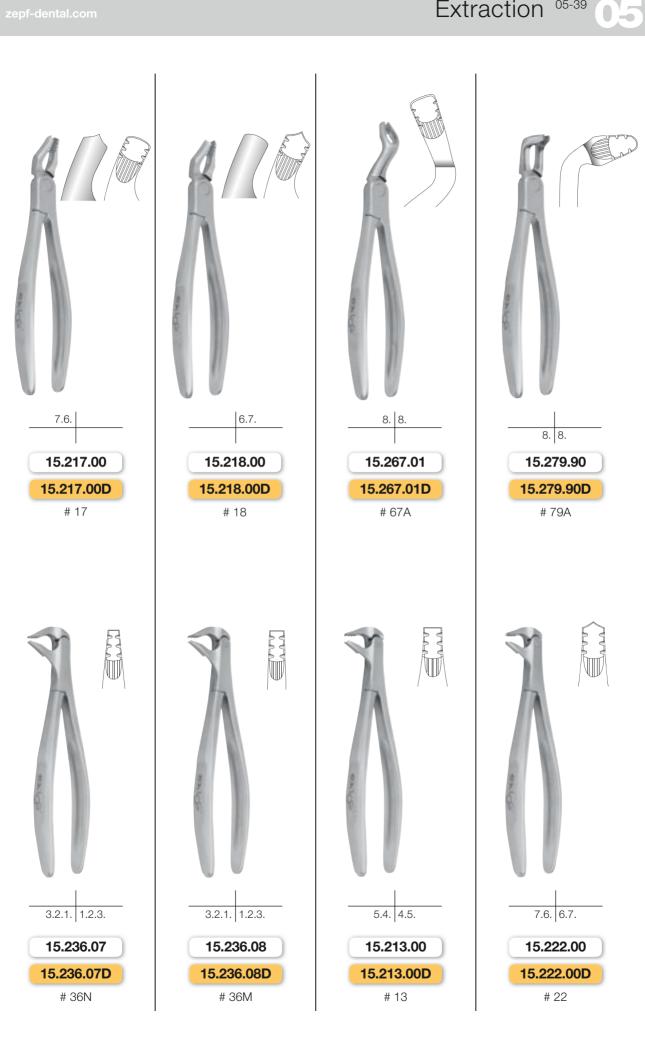
These patented forceps are the consequent development of conventional forceps with the advantage of tapered and deep grip extraction forceps. The modified jaws exactly match the tooth and guarantee a maximum grip during the application.







Extraction 05-39



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05-40 Extraction

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ZEPF

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ZEPF EXLOG RoBa Edition Extracting Forceps

This new development involves all figures for maxilla and mandible (incisors, premolars, molars and wisdom teeth).

As every tooth shows a convex crown shape (maxilla: labial, buccal, palatal – in the mandible: labial, buccal, lingual), the jaw was developed according to these anatomical conditions.

- excellent anatomical adaption on the neck of the tooth surface
- tapered jaws for less traumatization and for conservation of the alveolus
- better fibre dilatability and increased sense of touch
- optimal cleaning due to the possibility to disassemble the forceps into two pieces (RKI compliant)
- long life time, patented, high precision joint for radial and axial pressure
- produced from one piece (5-axis CNC milling) and therefore ultra precise
- no maintenance of the joint





PATENTED

The following problems might occur if the extraction forceps are not suitable:

- root fracture
- crown fracture
- damage of the soft tissue caused by bruising
- damage of the alveolar ridge and the buccal bone lamella



Advantages of deep-grip extraction forceps:

- due to the specially shaped jaws it is easy to place the forceps subgingivally directly on the root (below the gingival margin)
- parallel contact on the root
- atraumatic, as the soft tissue is not bruised
- root fractures are avoided
- slim jaw design for subgingival grip without bruise of the soft tissues

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Extraction ⁰⁵⁻⁴¹

THE ORIGINAL

DBGM by Dr. Detlef Hildebrand



Xtod Instruments







17.007.01

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

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

- Initial loosening of the desmodontal fibres. Apply the X-Desmo-Tool first approximally 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!
- Inspection of the empty tooth socket and curettage with support of the X-Spoon.



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⁰⁵⁻⁴² Extraction

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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 Xiod 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 (pencildesign) prevents unintended slipping during usage.
- Direct and controlled power transmission to prevent tooth and root fractures.
- Non-traumatic tooth extraction without injuring surrounding structures.



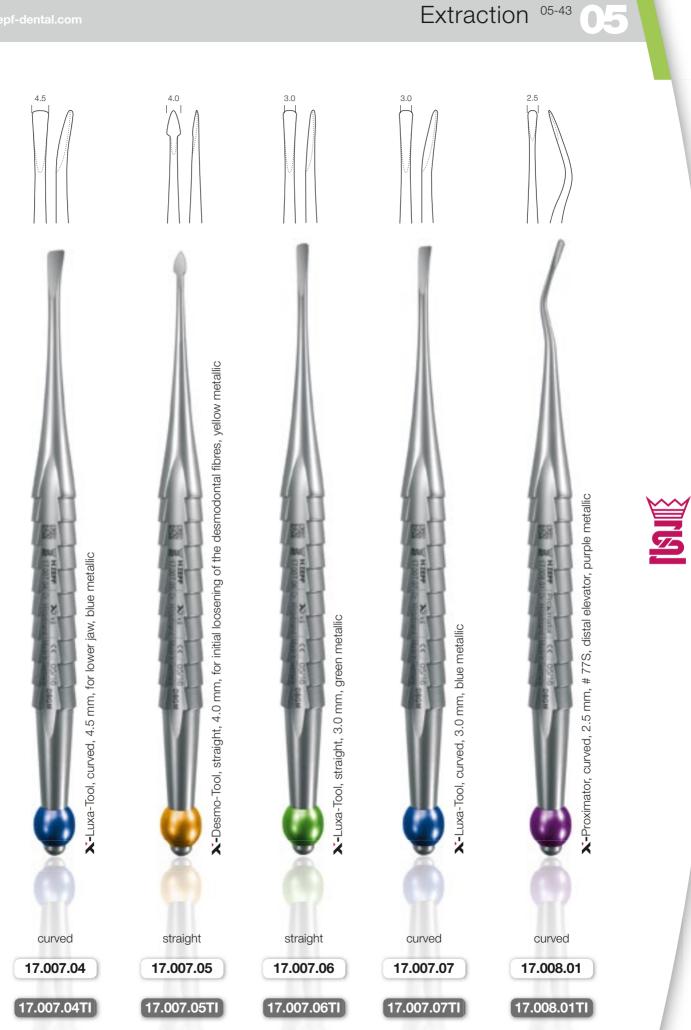
Users with highest demands will appreciate the elegant, black finish providing the

instrument with a non-reflecting, extremely smooth and scratch-resistant surface. The

article number is complemented by TI.

Design meets functionality.

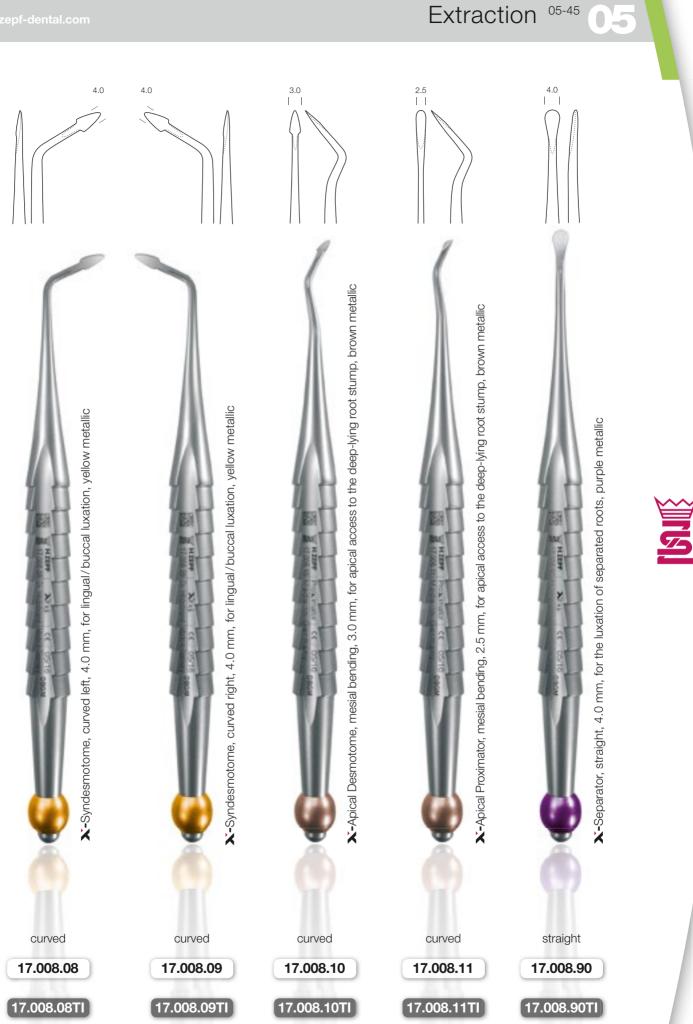




05-44 Extraction

B





05-46 Extraction

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ZEPF-Xtod-Tray

DBGM by Dr. Detlef Hildebrand

"Extraction in its most pleasant way"

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



17.007.00

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

X-Desmo-Tool (yellow):

The X-Desmo-Tool easily penetrates 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.



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Extraction ⁰⁵⁻⁴⁷

ZEPF FLEX-EX Power Periotome



While using new materials, we were successful in the development of the **ZEPF** *FLEX*-EX Power Periotome, a symbiosis of Power Periotome, 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 Periotome

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



05-48 Extraction

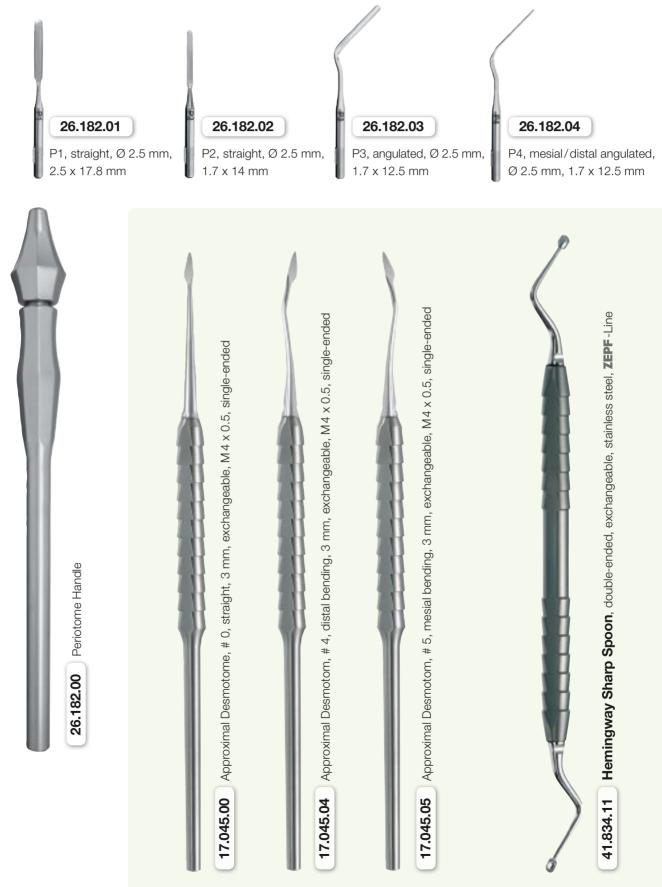
+49 (0) 74 64 / 98 88 0

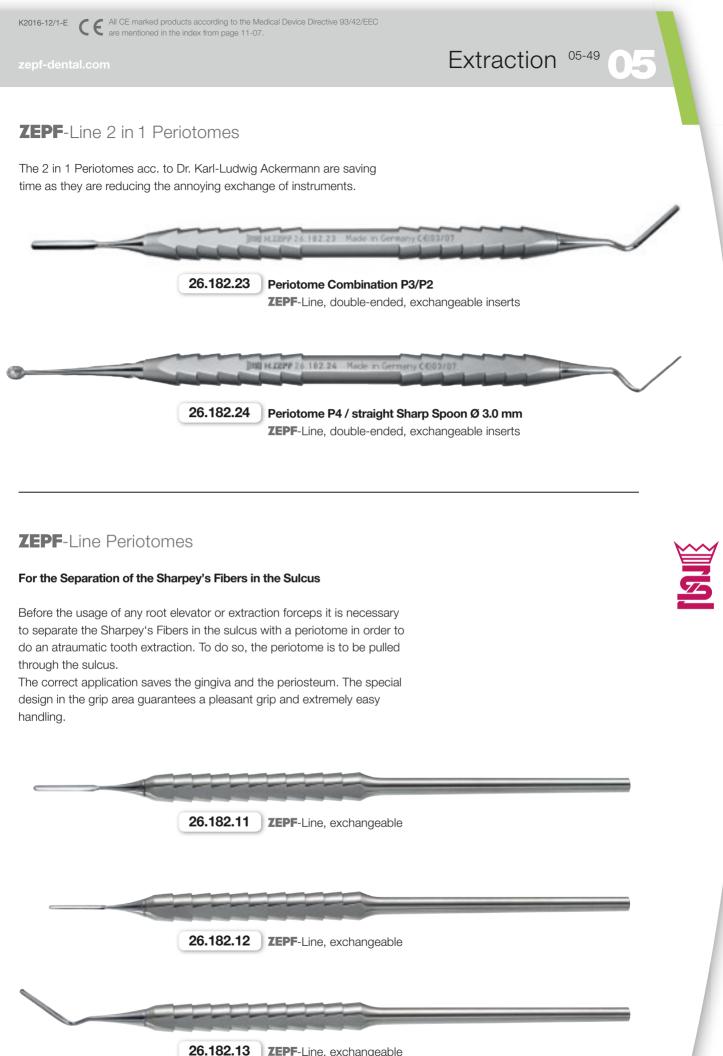
Ergonomical and heavy

0.-5

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





6.182.13 ZEPF-	ine, exchangeable
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05-50 Extraction

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** Boot 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.





(B) 17.001.03 (S) 17.001.13

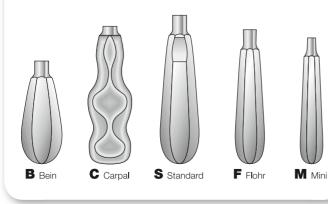
Bein (B) 17.001.00 (S) 17.001.10

Bein

The Handle Versions

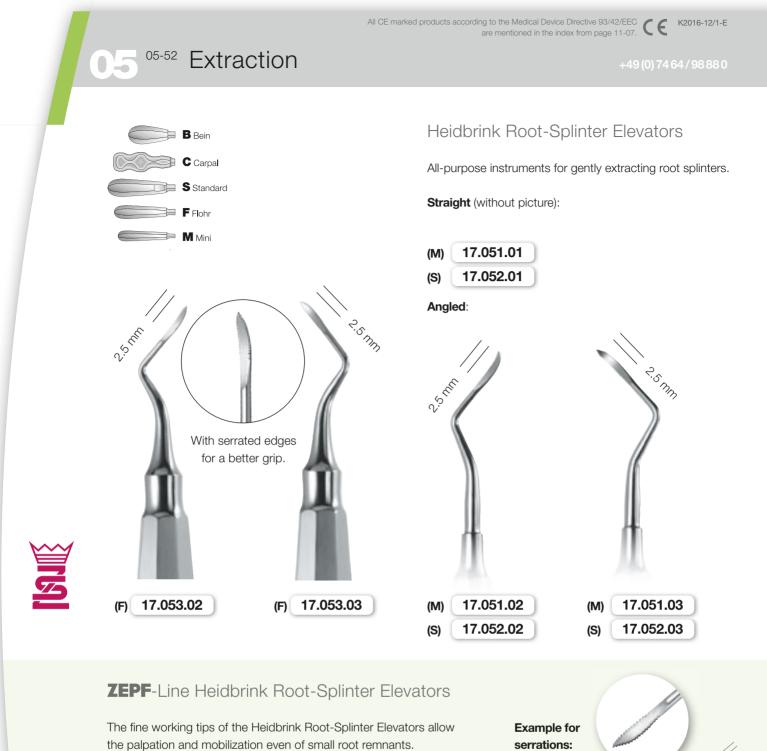
Except for the Xtool-Series, the Elevators from HELMUT ZEPF mainly differ in their 6 different handle designs such as: 'Bein', 'Carpal', 'Standard', 'Flohr', 'Mini'.

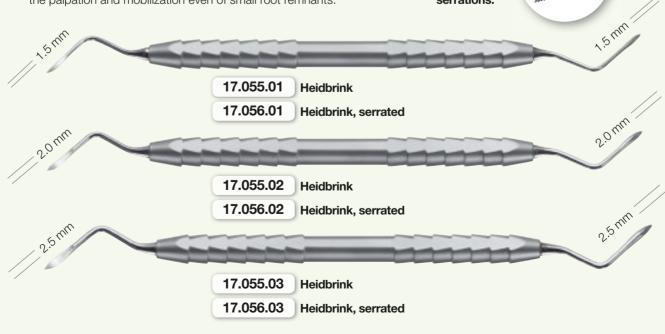
These are handle versions which can be assigned easily due to their letter coding:











Extraction 05-53

📜 🖪 Bein

🐌 C Carpal

S Standard

🗏 F Flohr

🕽 🖬 Mini

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

55

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

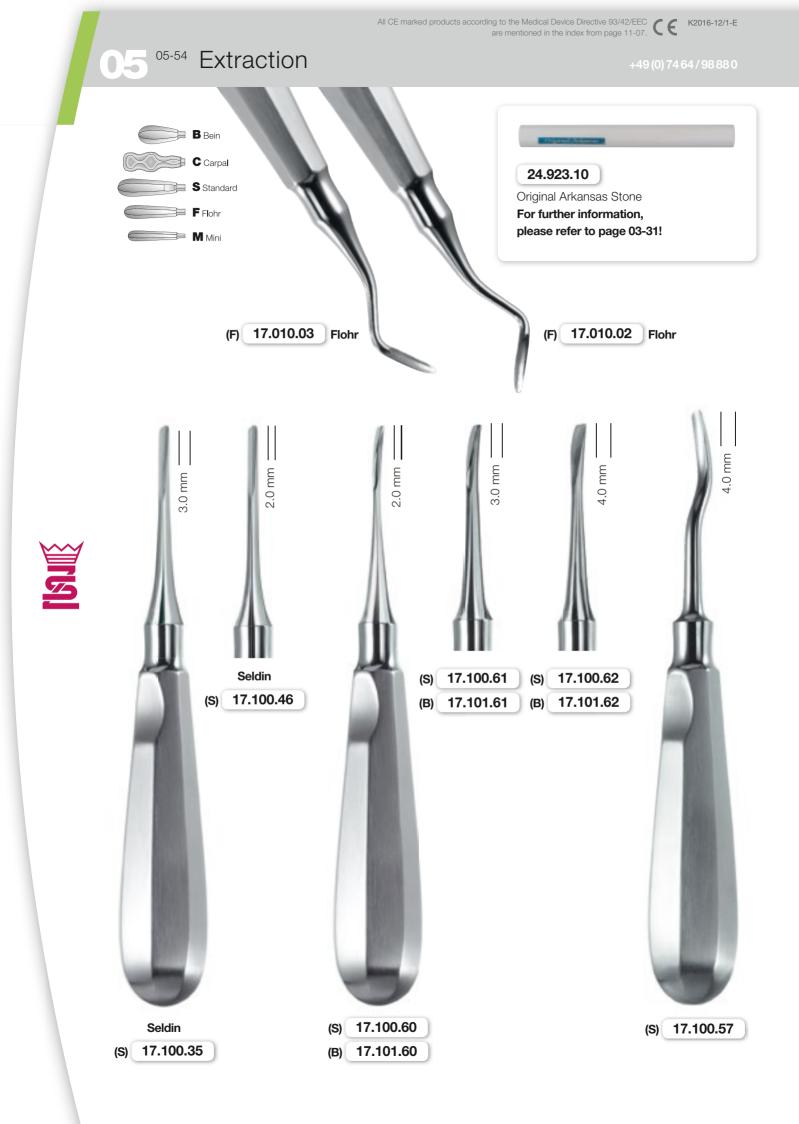
西田

(S) 17.195.00 Root Elevator No. 195



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.

	-	
4.0 mm	3.5 mm	3.0 mm
(S) 17.395.01 # LLL	(S) 17.395.02 # LLM	(S) 17.395.03 # LLS
4.0 mm	3.5 mm	3.0 mm
(S) 17.396.01 # LLLC	(S) 17.396.02 # LLMC	(S) 17.396.03 # LLSC







17.410.03 Chompret Syndesmotome, # 3 with hollow handle

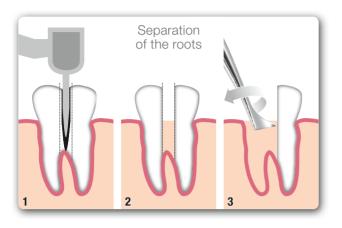




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Root Elevators Cryer and Winter

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

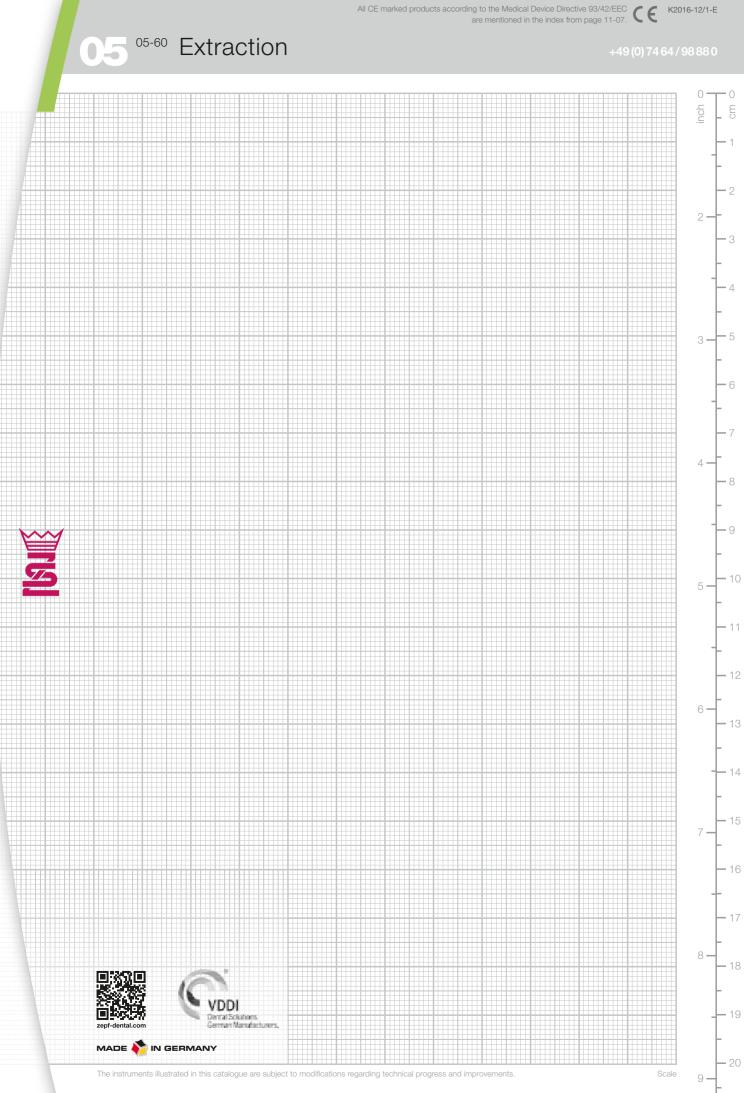


The bend of the working ends, combined with the shortened tips, allows a gentle lifting of the opposite root without contact to the neighboring crown.

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.







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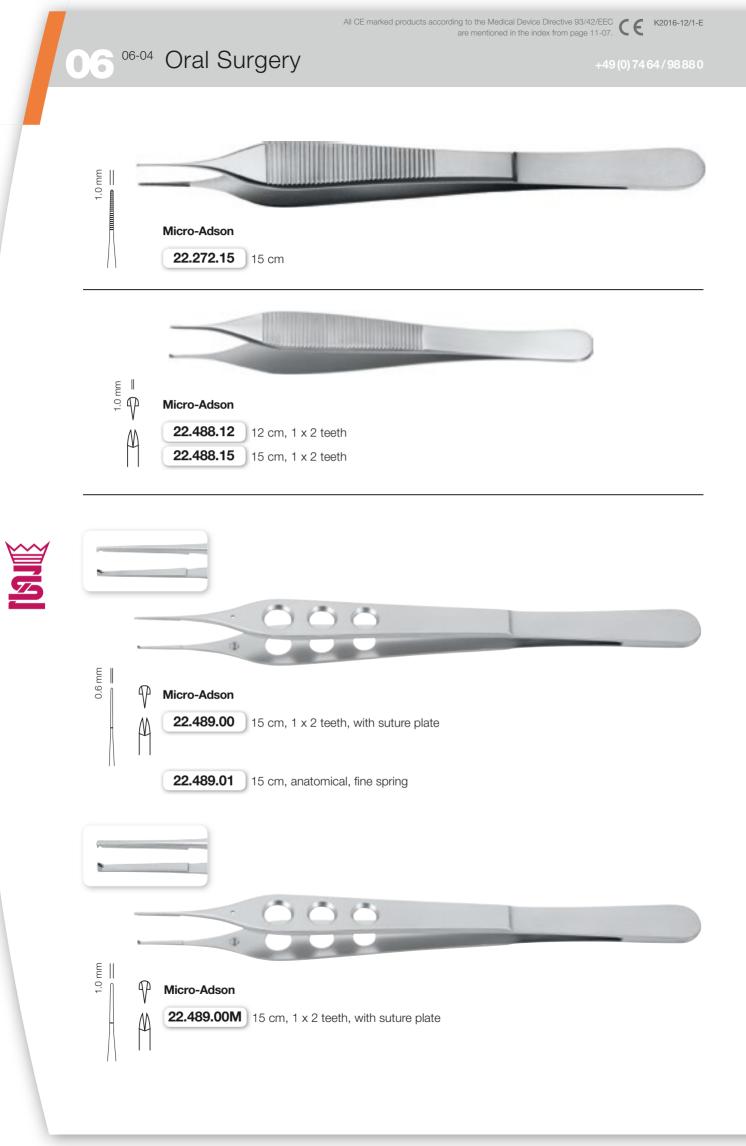
Oral Surgery 06-01

HELMUT ZEPF Oral Surgery and Maxillofacial Instruments

This chapter for Cranio-Maxillo-Facial Surgery includes all instruments required for reconstruction of traumata, diseases, bone fractures, malformations and deformations of the teeth, the oral cavity and for the jaw as well as the face.

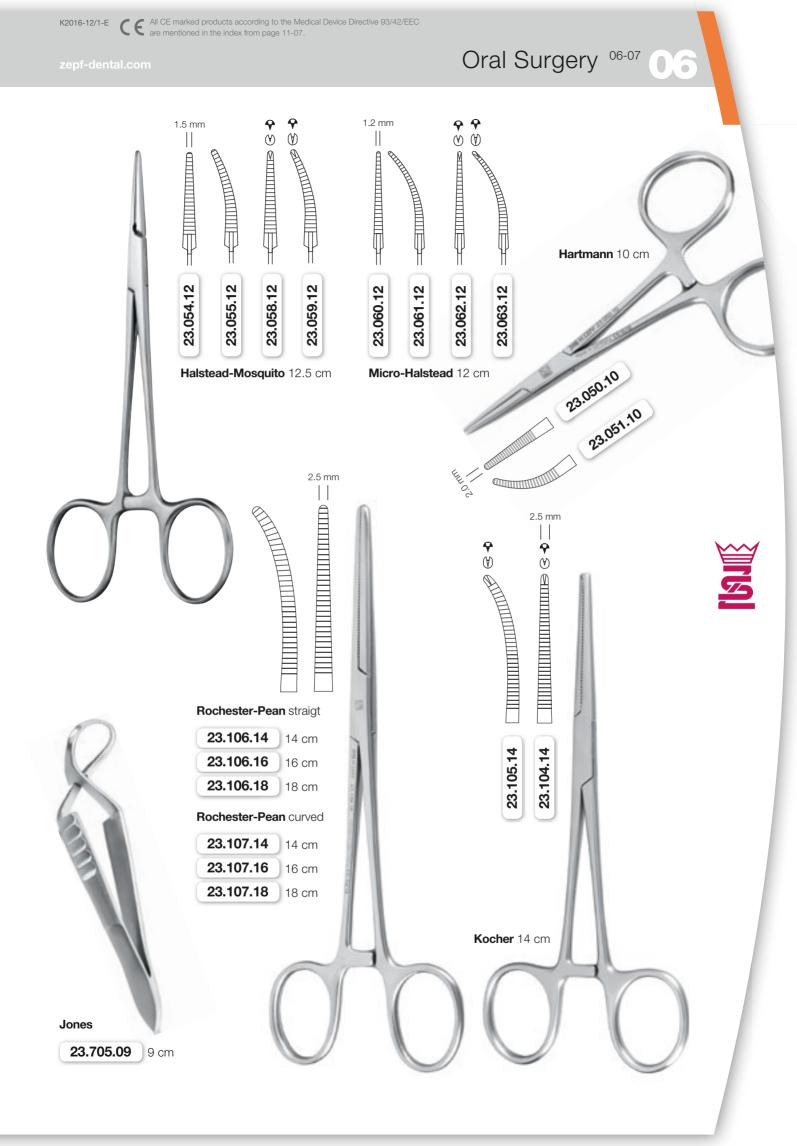














The **ZEPF** Retractor

pat. pend. by Dr. Peter Müller, Ebersbach



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



zepf-dental.com

Oral Surgery 06-09

016



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 complete 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

ISI

06-10 Oral Surgery

+49 (0) 74 64 / 98 88 0

Special features of the Maty Cheek and Lip Rectractors:

- suitable for a wide variety of applications
- 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 Rectractor, 17.5 cm



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 applications in all areas of dentistry.

In prosthodontics, for safe impression technique, 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 diverse application possibilities and easy handling (no specialists required to retract lips, cheeks etc.) the retractor also contributes significantly to cost-efficiency.

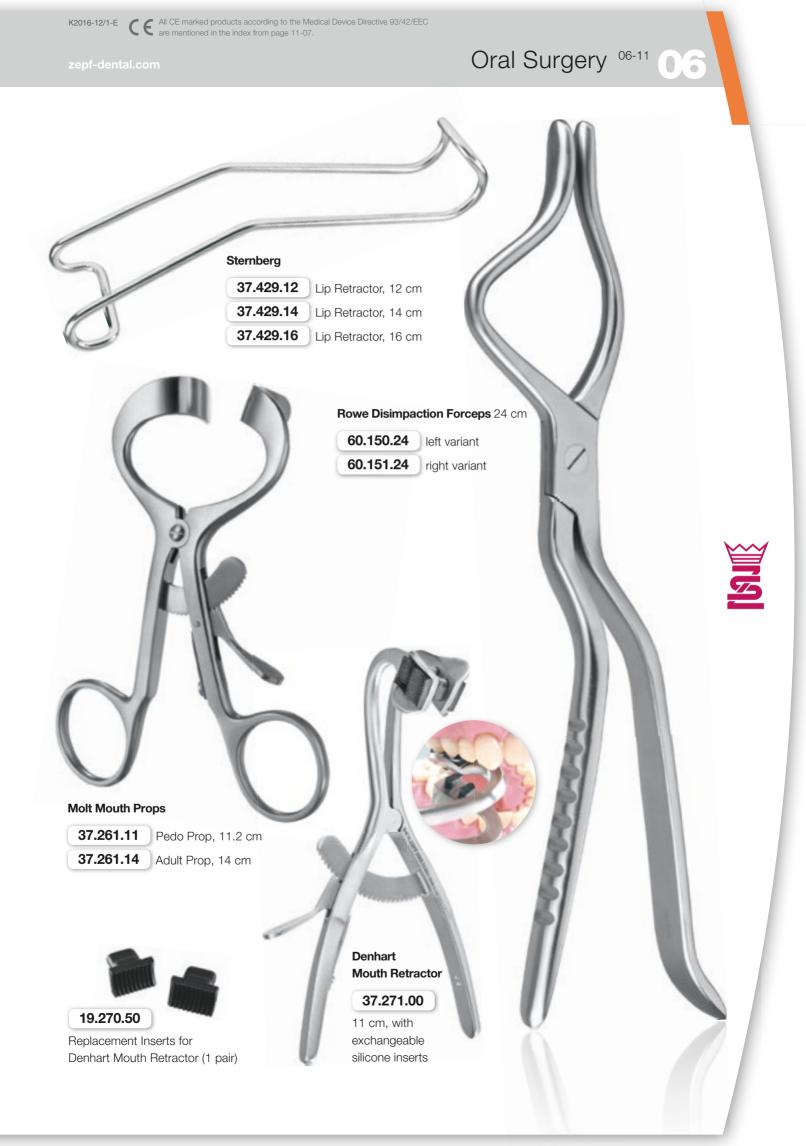
Quality MADE IN GERMANY.

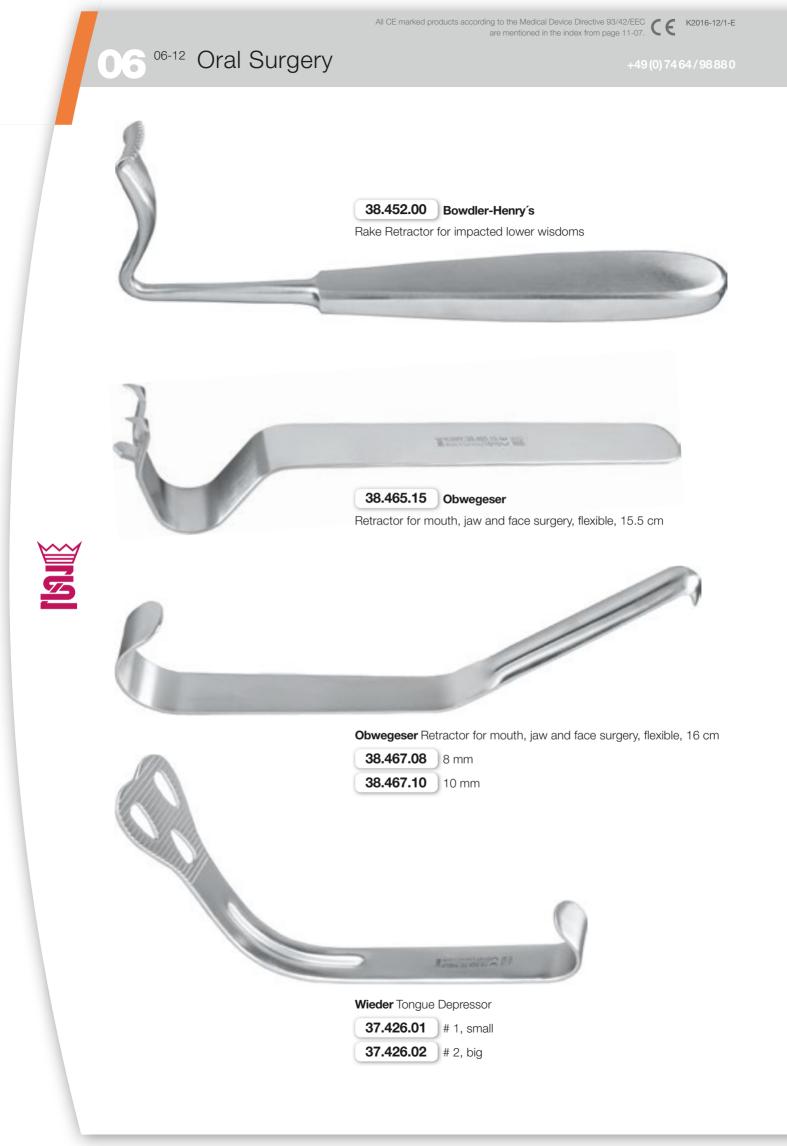
Our all-purpose cheek and lip retractor is yet another top-quality, high-precision, all-purpose instrument "Made by **HELMUT ZEPF** Medizintechnik GmbH".

37.454.02

Maty Cheek and Lip Rectractor for children







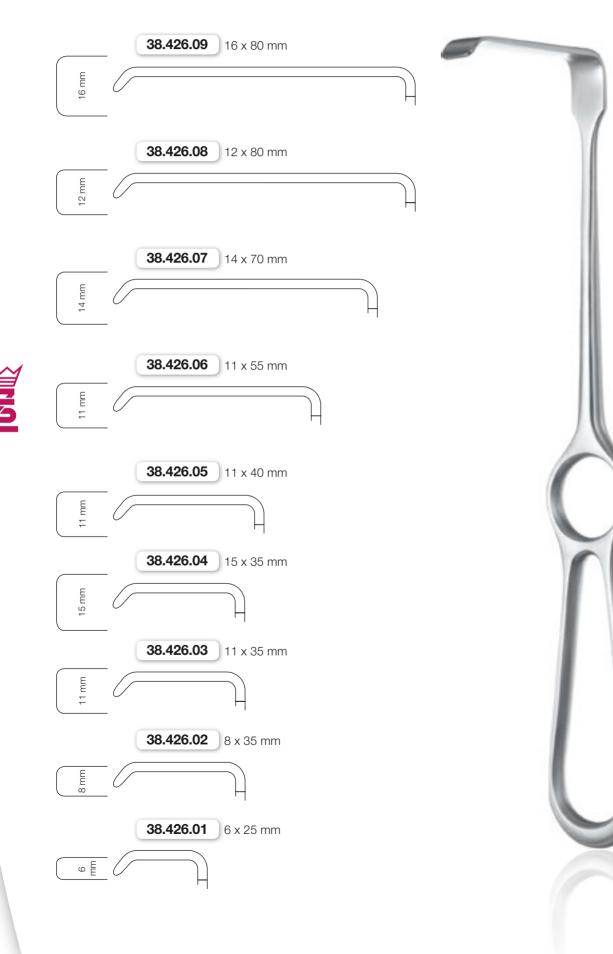


⁰⁶⁻¹⁴ Oral Surgery

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Kocher-Langenbeck

Retractor, 21.5 cm





All CE marked products according to the Medical Device Directive 93/42/EEC $\,$ ce $\,$ are mentioned in the index from page 11-07. Ce $\,$ K2016-12/1-E

06-16 Oral Surgery 6





All CE marked products according to the Medical Device Directive 93/42/EEC $\,$ ce $\,$ are mentioned in the index from page 11-07. $\,$ Ce $\,$ K2016-12/1-E

06-18 Oral Surgery 6

6



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Oral Surgery 06-19

016

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.



IBU

38.448.50 Vestibulum Retractor

by Kapogianni, to retract the prepared mucoperiosteal flap







K2016-12/1-E

CC All CE marked products according to the Medical Device Directive 93/42/EEC are mentioned in the index from page 11-07.

zepf-dental.com

Oral Surgery 06-23

Glickmann

Periosteal Elevator and Flap

The flap knife is as sharp as a

scalpel. (It has to be resharpened

area. You do not have to switch to

a standard scalpel. The delicate,

regularly!). Small additional cuts

can be made in the interdental

Knife in one instrument.

016

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 raspas, since its contacting surfaces are highly polished. Lingual surfaces may be very easily reached.

round and sharp working tip is used to peel off / to cut the flap. 11 .0 mm Combination-Instrument, Knife / Raspatory, # 24G, 17.5 cm Raspatory, PPR3, Retractor straight, 17.5 cm Raspatory, PPR3, Retractor 30° angled, right Raspatory, PPR3, Retractor 30° angled, left Glickmann 41.862.21 Prichard 41.878.11 Prichard 41.878.12 41.878.13 Prichard Prichard 41.878.14 4.0 mm Retractor, left / right 4 mm combination, 30° angled, double-ended, 17.5 cm

06-24 Oral Surgery









Bone Rongeur Forceps, 15 cm



Bone Rongeur Forceps

⁰⁶⁻²⁶ Oral Surgery

06

+49 (0) 74 64 / 98 88 0



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



17 cm Bone Rongeur Forceps, bajonet, # 18







Cohen Soft Tissue Nippers



zepf-dental.com

Oral Surgery 06-29

.







Controlled dropping of the blade

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.

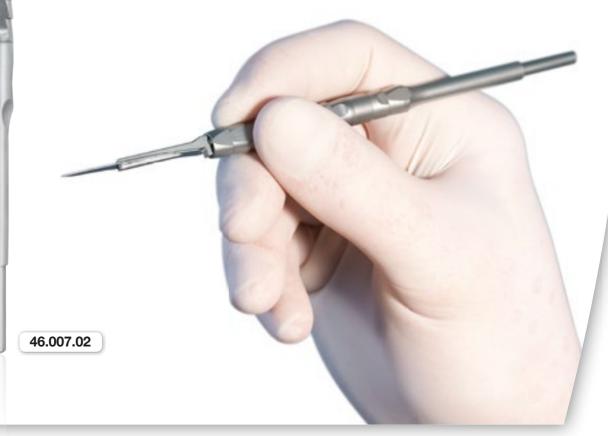
The object of this development was a simplified application with the same diameter of the blade holder. Therefore there is no need to adapt to a new application / ergonomics for our regular blade holder! The **ZEPF** 'Drop-Control' Blade Holder perfectly fits into our **ZEPF** Design product range for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

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.

Drop-Control



PATENT PENDING

⁰⁶⁻³⁰ Oral Surgery

+49 (0) 74 64 / 98 88 0

Scalpel Blades

Supplied in packs of 100 pieces, sterile







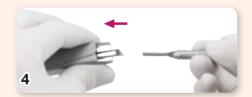
Place the blade remover



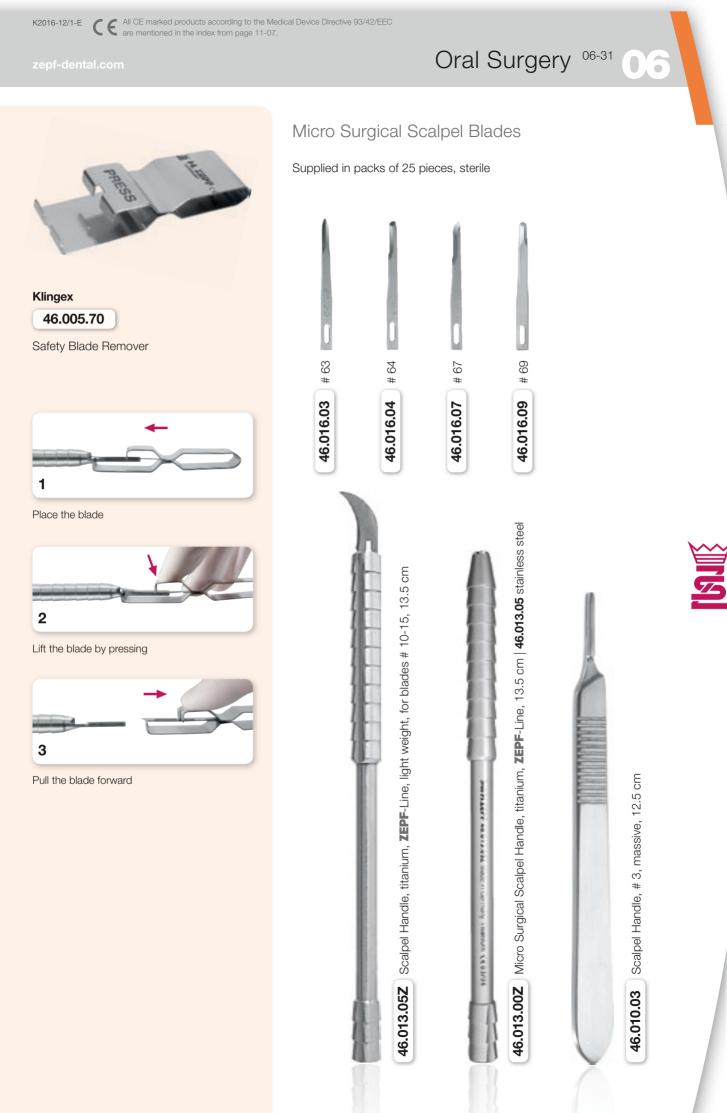
Press the blade remover



Lever the blade upwards



Pull the blade forward and throw it in a containment



⁰⁶⁻³² Oral Surgery

+49(0)7464/98880



zepf-dental.com

Oral Surgery 06-33

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5

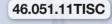
ZEPF Onyx Scissors

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 wear 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 coating, no undesirable reaction will be caused during sterilization or usage of solvents. Furthermore, the anti-glare surface avoids disturbing light reflections.

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

46.201.13TISC



46.081.16TISC

Statutes - State

46.431.14TISC

46.057.11TISC

All CE marked products according to the Medical Device Directive 93/42/EEC CE K2016-12/1-E are mentioned in the index from page 11-07.

⁰⁶⁻³⁴ Oral Surgery

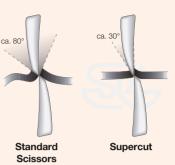
+49 (0) 74 64 / 98 88 0



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).



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





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Oral Surgery 06-35

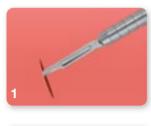
Fine Preparation Scissors

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 scissor parallel to the skin or to the level of the layers which should be separated (picture 2), opens the scissor and pulls it back in an opened position.

The tissue layers are separated by spreading movements of the scissor blades and the required layer is opened (picture 3). The tip of the scissor is usually facing the less sensitive structures.

In the second instance the scissor is used for cutting.







46.069.11

Fine Preparation Scissors curved, 11.5 cm

M

 Soldman-Fox

 curved, 13 cm

 Curved:
 46.201.13

 46.201.13SC
 46.201.13TC

 straight:
 46.200.13

 Main
 46.200.13SC

 Howard Müller, 17 cm

46.121.17 46.123.17

06-36 Oral Surgery

6









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06-40 Oral Surgery

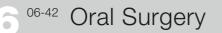
+49 (0) 74 64 / 98 88 0

Needle Holder

Swedish Model







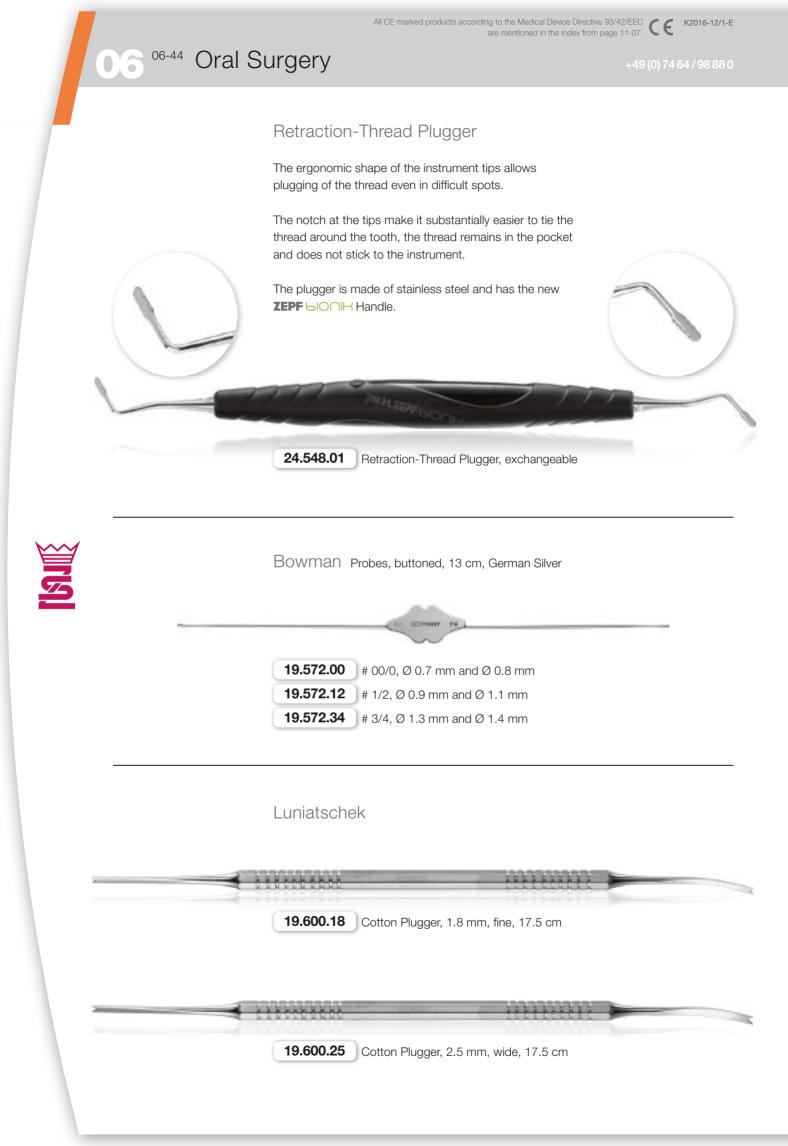
+49 (0) 74 64 / 98 88 0

Surgical Aspirators

Curved, with slot against sucking in, 17.5 cm









06-46 Oral Surgery

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Oral Surgery 06-47

016

Mirrors for Interoral Photography

Titanium-coated front surface for very clear picture.



06-48 Oral Surgery

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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

The big hammer lies perfectly in the hand. Due to its (woodlike) material consistency, it offers a superior feeling in osteotomizing. No feel of metal, no loosening of 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!

a second

41.503.00

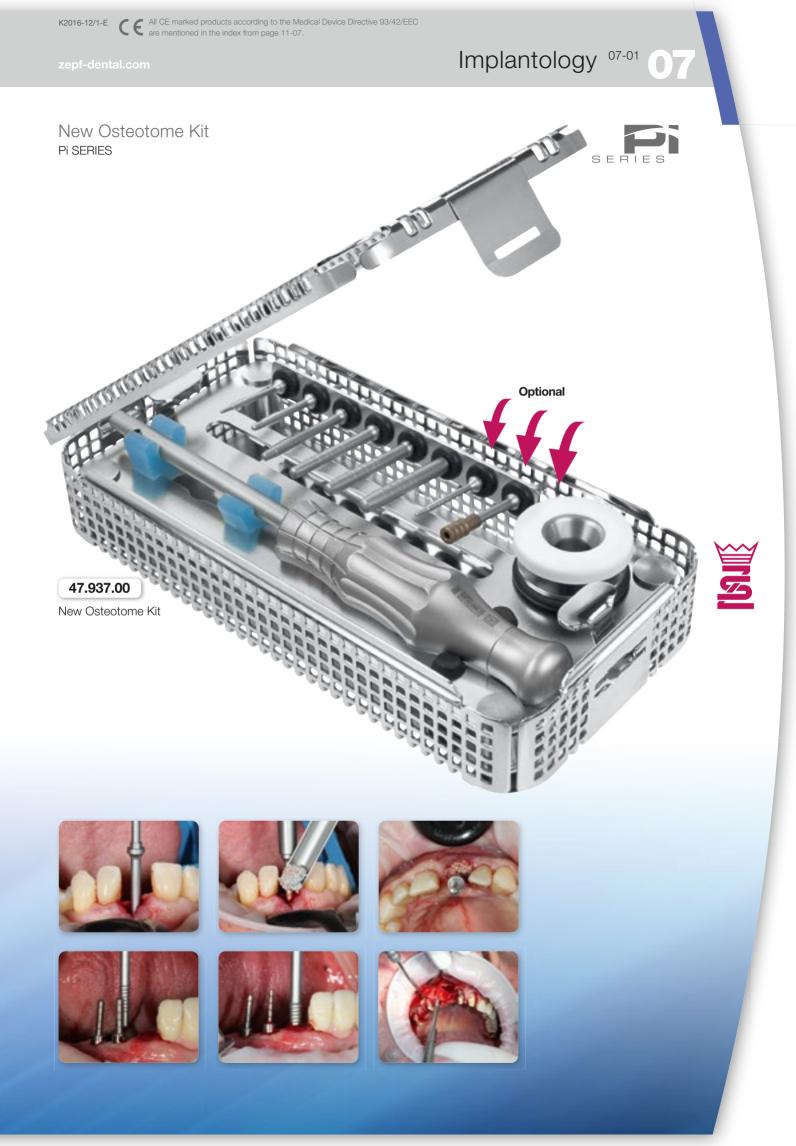
Hammer, Ferrozell, head Ø 42 mm, 170 g, total weight 240 g, 260 mm long



Hammer, Ferrozell, head Ø 35 mm, 100 g, total weight 180 g, 250 mm long, fitting washbasket

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

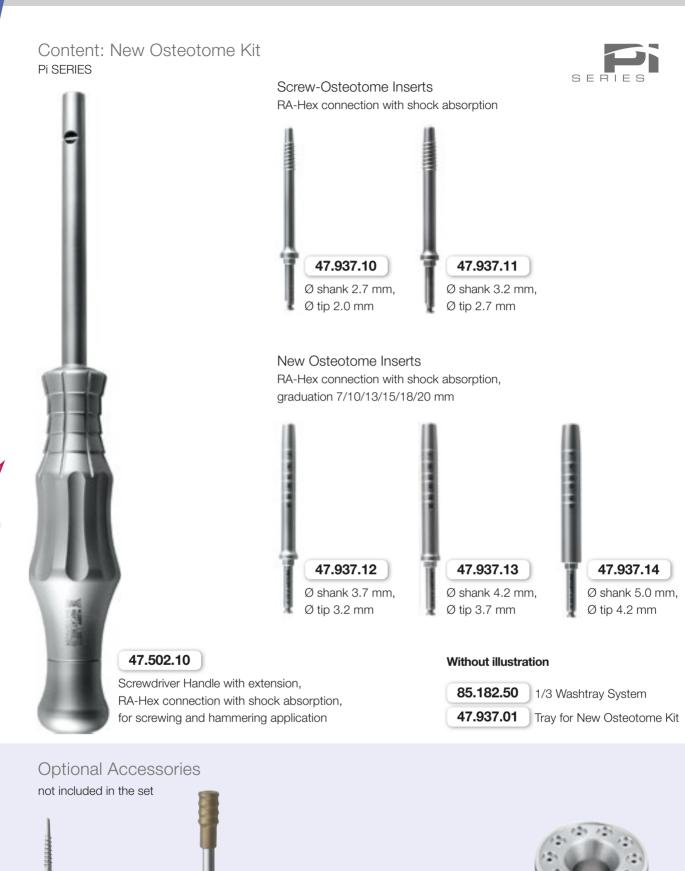
41.503.01



07-02 Implantology

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47.950.03

Pin Applicator, short, to apply titanium pins

47.937.05

Ø shank 5.0 mm,

Ø tip 4.2 mm



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Implantology 07-03

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.



M

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

47.099.50

Bone Splitting System by Dr. Vollmer & Dr. Valentin

Pat. Pend.

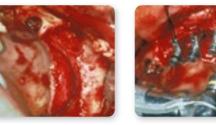


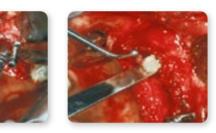
07-04 Implantology

Bone Splitting System by Dr. Vollmer & Dr. Valentin Pat. Pend. by Dr. Vollmer & Dr. Valentin



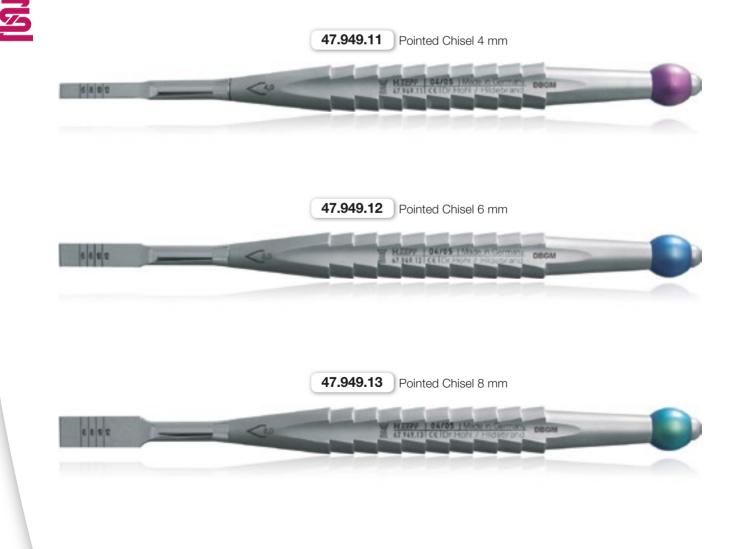
At first, the maxillary crest which has become too small due to atrophy is being separated in its longitudinal direction by diamond discs. Thereafter, it is split carefully by means of chisels. In doing so, the lateral cortical bone lamellae are preferably displaced in labial direction.





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-implantatory 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.





Wedge 2 mm / 2.2 mm, green

Wedge 2 mm / 3.5 mm, red

47.099.33 Wedge 3 mm / 2.2 mm, yellow

Wedge 3 mm /

3.5 mm, blue

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07-06 Implantology

+49 (0) 74 64 / 98 88 0

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.



		color coding —
laser grading (6 / 8	8 / 10 / 12)	
2384		
	marking (working end / width)	
47.949.95	pointed	flat
Bone Fitting Set:	(4.0 mm)	47.949.21 (4.0 mm)
	(6.0 mm)	(6.0 mm)
	(8.0 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.

laser grading (6 / 10	0 / 12)	color coding — diameter (cone) —
- 1948		1.320
47.949.90	Oround	
Bone Condensing Set:	47.949.01 (Ø 1.3 - 2.0 mm)	(Ø 3.3 - 3.8 mm)
	47.949.02 (Ø 2.0 - 2.8 mm)	(Ø 3.8 - 4.3 mm)
	47.949.03 (Ø 2.8 - 3.3 mm)	(Ø 4.3 - 5.0 mm)
		(Ø 5.0 - 6.0 mm)

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Implantology 07-07



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





Ø 2.0 (for 2.0)

Ø 2.3 / 2.8 (for 2.8 / 3.3)

Ø 2.8 / 3.3 (for 3.3 / 3.8)

Ø 3.9 / 4.3 (for 5.0 / 6.0)

Ø 3.4 / 3.8 (for 4.3)

concave straight

47.942.20

47.942.28

47.942.33

47.942.38

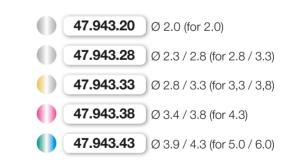
47.942.43

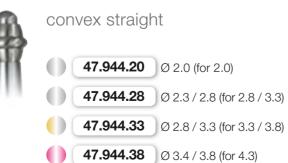
Widener angulated

0	47.941.50	Ø 5.0 angulated (for 5.0)
	47.941.60	Ø 6.0 angulated (for 6.0)



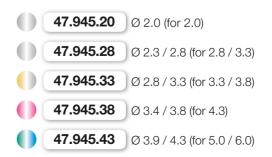
concave angulated

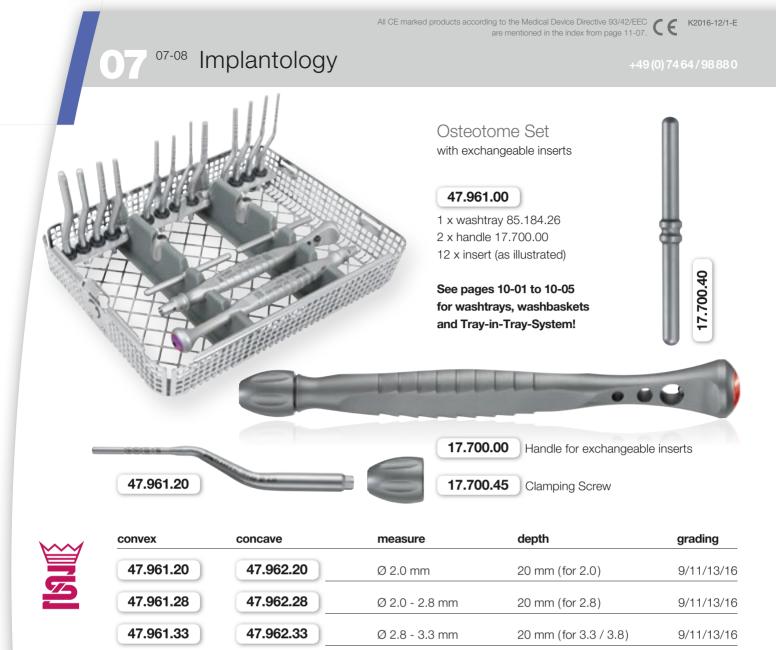




47.944.43 Ø 3.9 / 4.3 (for 5.0 / 6.0)







Hollow Cylinder Osteotomes acc. to Dr. Vollmer & Dr. Valentin

47.962.38

47.962.43

47.962.50

47.961.38

47.961.43

47.963.50

47.963.60

With the ejector, which will 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.

Ø 3.4 - 3.8 mm

Ø 3.9 - 4.3 mm

Ø 5.0 mm

Ø 6.0 mm

20 mm (for 4.3)

20 mm (for 5.0)

20 mm (for 6.0)

20 mm (for 5.0 / 6.0)





9/11/13/16

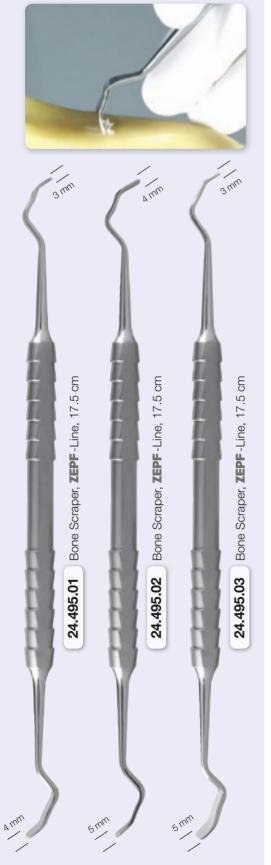
9/11/13/16

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Implantology 07-09

Back Action Chisel

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



Bone Scraper

Collecting autologous bone material.

In 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 an easy and quick collection of autologous bone structures. It enables you to scrape, collect and transplant the patients' own bone. Everything can be done without the usage of bone filter, trephine bur, saw or bone mill.

The blade makes a collection 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.



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07-10 Implantology

+49 (0) 74 64 / 98 88 0

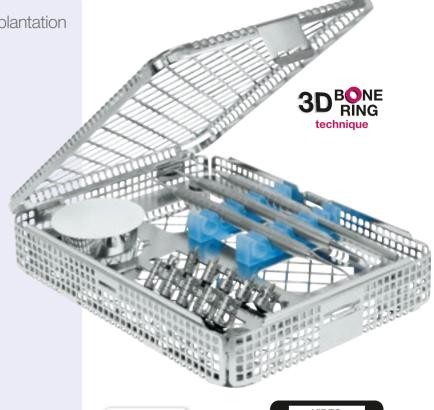
3D One Step Augmentation & Implantation

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 safety 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 ringshaped 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 (pic. 3) with a screw implant.



47.500.31

Complete Set with washbasket 85.184.18 and instruments; without optional accessories



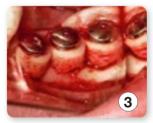


Dr. Bernd Giesenhagen, the inventor of this procedure, and **HELMUT ZEPF** have selected a special range of instrumenta-

tion for precise and time-saving steps of treatment in order to ensure an optimal

function.





Application

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

The filling of possibly existing cavities is usually made by spongious 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.





07-12 Implantology

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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 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.



Bur Stand for Trephines



05.070.01	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

85.070.05







	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)

111		08.920.06		
	08.920.03 Ø 3.0) mm	08.920.06	Ø 6.0 mm
5 Suitable Bur Stand	08.920.04 Ø 4.0) mm	08.920.13	Ø 3.5 mm
Membrane Punches	08.920.05 Ø 5.0) mm	08.920.16	Ø 6.5 mm

zepf-dental.com

Implantology 07-13

ZEPF Bone Crusher

With this Bone Crusher we introduce a proven alternative to the more complex bone mill. Insert the bone piece into the crusher and use the Pusher in order to crush the bone. If necessary, you may additionally use the hammer 41.509.00.

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.



07-14 Implantology

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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

Helical 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).

zepfbonemill()())



ZEPF Bone Mill

Bone Mill, to crush autologous bones. In order to correct bone defects, bone harvesting is necessary elsewhere. 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 assemby / disassembly without additional tools
- no loss of bone material (even in the case of small quantities)
- easy cleaning

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Implantology 07-15

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.





07-16 Implantology

+49 (0) 74 64 / 98 88 0

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
- atraumatic preparation and lifting of the sinus mucosa
- effective working due to a wide range of different angles



zepf-dental.com

Microsurgical Sinus Lift Instruments

Implantology 07-17

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

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







For the development of the new microsurgical sinus lift instruments by Dr. Shakibaie-M., we resorted 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 appropriate 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 colorcoded 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.



All CE marked products according to the Medical Device Directive 93/42/EEC are mentioned in the index from page 11-07. K2016-12/1-E 07-18 Implantology 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: INI H.ZZPP 41.847.08 Made in Germany C6107/07 by Dr. Shakibale-M 41.847.08 Sinus Lift Instrument # 1, sharp, 2.9 / 2.4 mm, green INI H. Z277 41.847.01 Made in Germany CE07/07 by Dr. Shakibale-M. 41.847.01 Sinus Lift Instrument # 2, sharp, 2.9 / 2.9 mm, black by Dr. Shakibale-M INE H. ZEPP 41.847.05 Made in Germany CE107/07 41.847.05 Sinus Lift Instrument # 3, sharp, 2.8 / 2.9 mm, 45° curved, blue ING H. ZEPF 41.847.02 Made in Germany C (107/07 by Dr. Shall 41.847.02 Sinus Lift Instrument # 4, sharp, 2.8 / 3.8 mm, white HIH.Z.277 41.847.03 Made in Germany C€107/07 by Dr. Shakibale-M. 41.847.03 Sinus Lift Instrument # 5, sharp, 3.6 / 4,2 mm, orange IN H. Z. PP 41.847.10 Made in Germany C€I07/07 by Dr. Shakibaie-M 41.847.10 Sinus Lift Instrument # 6, sharp, 2.3 / 2.3 mm, red INH H. ZEPF 41.847.09 Made in Germany C (107/07 by Dr. Shakibaie-M 41.847.09 Sinus Lift Instrument # 7, sharp, 2.1 / 2.1 mm, yellow

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Implantology 07-19

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



41.868.09 Micro Sinus Spoon, Spoon \emptyset 8×10 / \emptyset 4×6 mm, titanium handle, blue,

double-ended, 17.5 cm,

by Dr. Shakibaie-M.

85.251.03

Mixing Cup, stainless steel, with plastic lid, Ø 40 mm, 2 pieces included in the set

19.651.15M Micro Sinus Aspirator

20133

Sinus-Line, titanium tip modified

by Dr. Shakibaie-M.



All CE marked products according to the Medical Device Directive 93/42/EEC CE K2016-12/1-E are mentioned in the index from page 11-07.

07-20 Implantology

+49 (0) 74 64 / 98 88 0







24.995.01

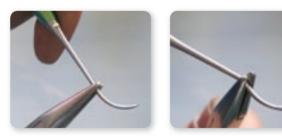
Complete Set incl. 1 x washbasket with lid 85.195.00 and partition for Sinus Instrument Set by **Prof. Dr. Dr. Stiller**



Sinus Instrument Set by Prof. Dr. Dr. Stiller

Immediate sinus floor elevation with or without bone cover

The Sinus Instrument Set has been developed together with Prof. Dr. Dr. Stiller and is particulary 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 enantral anatomy.
- Two different kinds of instruments with blunt and sharp edges for dissecting mucosa on plane and rough internal surface of the maxillary sinus.





07-22 Implantology

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K2016-12/1-E



Sinus Instrument Set by Dr. Kirsch

24.995.00

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

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

41.868.04 Kirsch, Sinus 4, Elevator 120°/120°, Titanium **ZEPF**-Line Handle, double-ended 41.868.02 Kirsch, Sinus 2, Elevator 60°/60°, Titanium ZEPF-Line Handle, double-ended 41.868.03 Kirsch, Sinus 3, Elevator 90°, Titanium ZEPF-Line Handle, double-ended



⁰⁷⁻²⁴ Implantology

Augmentation Kit

mannin





Reasons for reconstruction of alveolar ridge arise out of 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 bone through the foil or membrane.



85.255.02

Storage Box for 10 titanium pins, optional

zepf-dental.com

Implantology 07-25

Illustration	Article Description	Order Quantity
	47.966.00 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, 1/2 Washbasket with Lid 85.194.15	1 set
	47.520.00 Pin Membrane Probe with ZEPF -Design handle	1 piece
	47.520.01 Pin Applicator	1 piece
	47.520.02 Perforation Raspatory	1 piece
	47.520.03 Sinus 7 Instrument acc. to Kirsch, Spoon Ø 6.0 mm / flexible Plugger Ø 5.0 mm	1 piece
A	47.560.03 Titanium Pin, 3 mm (10 pieces included in the set)	5 pieces
~	47.560.05 Titanium Pin, 5 mm (5 pieces included in the set)	5 pieces
	47.847.11 Sinus Elevator # 2, single-ended, flexible	1 piece
	85.251.04 Mixing Cup, stainless steel, with plastic lid, Ø 4 cm	1 piece
	85.256.00 Storage Box, for 5 soft tissue pins and 10 titanium pins	1 piece
	85.255.02 OPTION Storage Box for 10 titanium pins, optional, if a compact solution is requested	1 piece

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07-26 Implantology

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ZEPF Augmentation Material Applicator

The Augmentation Material Applicator supports the fractional filling of the subantral area 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 applicated precisely with the injecting mechanism. The instrument can be taken apart for optimal cleaning.





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





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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

Implantology 07-27

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.



08.917.13 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



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

07-28 Implantology

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Krekeler Sliding Caliper

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

The Sliding Caliper combines 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 is shown on the marking 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**.



OUT shows the determined outside dimension (Ø 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.



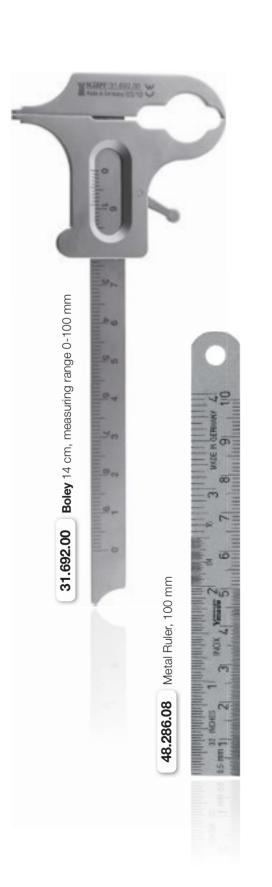
31.693.10

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

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Implantology 07-29

Sliding Calipers and Metal Ruler





48.666.20 Metal Ruler, 200 mm

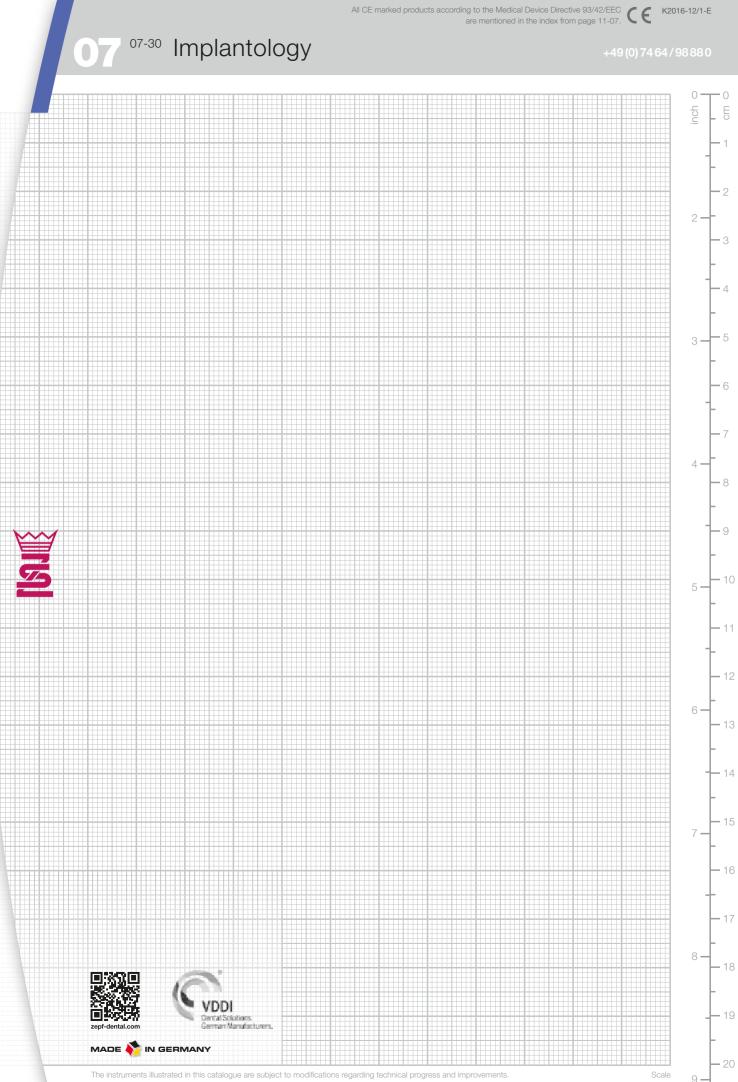
Bone Caliper



31.691.13

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





9-

1

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Microsurgery 08-01





⊌IO∩IK[™] 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

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

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

Tunneling Instrument combination, # 3 upper / lower jaw, straight 1.8 mm, angled 1.7 mm

double-ended, exchangeable inserts, 18 cm

46.035.20

red<mark>dot</mark> design award winner 2010

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 are possible.

⁰⁸⁻⁰² Microsurgery

+49(0)7464/98880

P

4/0 - 6/0

Double-Action Micro Forceps, transmitted, **ZEPF-**Line,

22.830.17

17.5 cm, 1 x 2 teeth, thread plate 10 mm, jaw width 0.6 mm, SpinLock

4/0 - 6/0

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.



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

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Microsurgery 08-03



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 wear 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.



⁰⁸⁻⁰⁴ Microsurgery

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08

Suture Removal Scissors by Dentist Beck

Spipe Lock

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



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



41.201.17TC-K curved

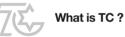
4/0 - 6/0

1 2 11

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



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



41.201.15TC stainless steel, 16 cm

41.201.17TC stainless steel, 17.5 cm

4/0 - 8/0

41.201.15TC





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.

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Microsurgery 08-07



⁰⁸⁻⁰⁸ Microsurgery

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K2016-12/1-E



Micro Forceps with Diamond Coating

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



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Microsurgery 08-09

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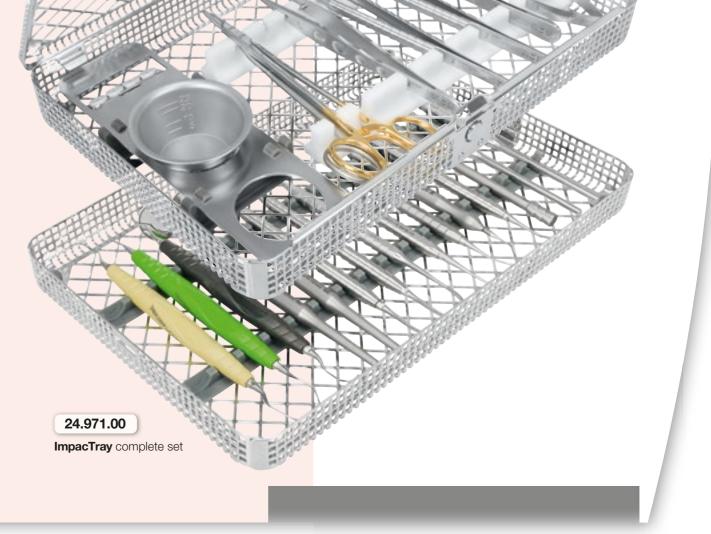
ImpacTray by PD Dr. Weng, Starnberg

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.





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⁰⁸⁻¹⁰ Microsurgery

5/0 - 8/0

ImpacTray by PD Dr. Weng, Starnberg

The ImpacTray 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 has a lenticular shape 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.





24.208.03L

24.201.05L

24.210.01L



⁰⁸⁻¹² Microsurgery

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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 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.

ZEPF-Line, exchangeable inserts, 17.5 cm





Micro Scalpel Handles ZEPF-Line, 13 cm



Micro Scalpel Blades for Micro Blade Holders, supplied in packs of 25 pieces



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ZEPF Soft Tissue Micro Instrument Basic Set

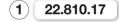
24.967.05

ZEPF Soft Tissue Micro Instrument Basic Set

85.180.00

Incl. washtray 1/1, with 2 instrument supports and 1 longitudal instrument retainer, dimensions: 275 x 178 x 24 mm

containing:



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



Raspatory, **ZEPF**-Line

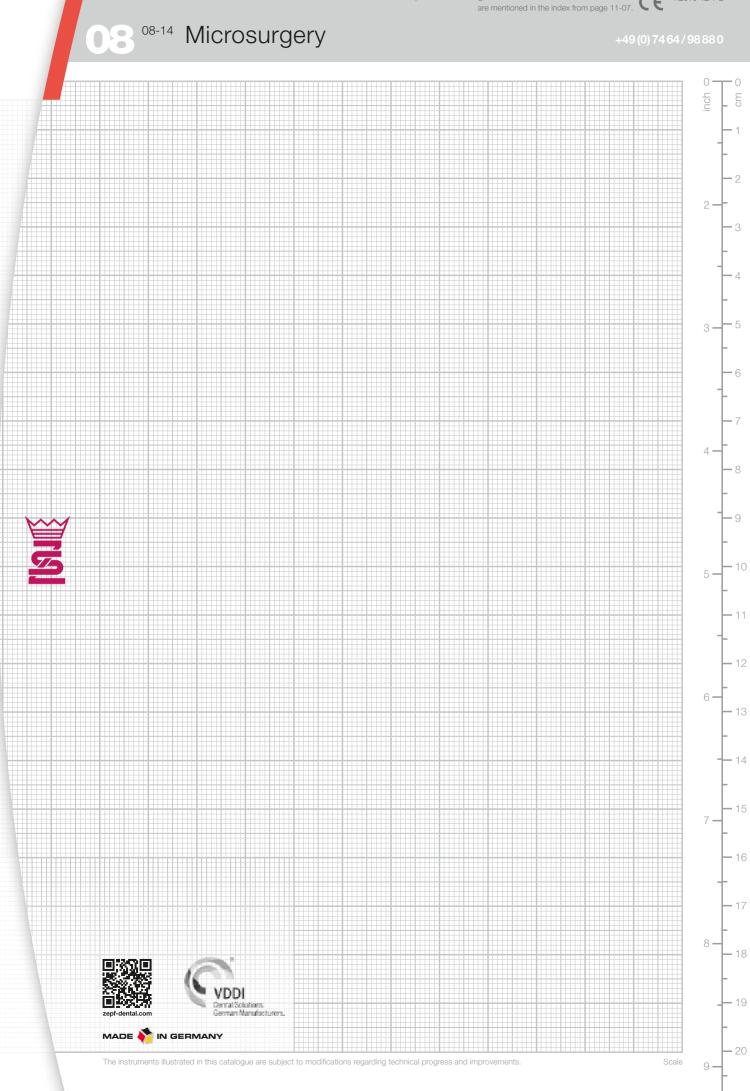


Suture Removal Scissors with micro-serrations, sharp/sharp, curved, **ZEPF**-Line, stainless steel, 17 cm

(5) 46.013.00Z

Micro Surgical Scalpel Handle, **ZEPF**- Line, light version, titanium, 13 cm





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Crown Instruments 09-01

5

ZEPF Crown-Spreading Pliers

The **HELMUT ZEPF** Crown-Spreading Pliers are perfectly designed for the spreading of crowns without pressure on the root and neigbour tooth.

The spreadding function of these pliers guarantee a safe and anatomical correct application.

The power is not anymore transfered to adjacent teeth, roots or the jaw as with conventional crown spreading pliers.

19.277.01Z

Crown-Spreading Pliers by Bauer, modified DBGM, 14.5 cm



09-02 Crown Instruments

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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.



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



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



After adjusting the plier, tips should be moistened with diamond powder



The crown can now be removed in a safe way

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

19.274.01

CROWN-TRACTOR Set "Economical" Extraction Pliers without thumbscrew detent and retaining spring, 16 cm 20 Plastic Polymer Tips, 10 g DIATRAC adhesive powder



19.274.13

Replacement Kit: 10 g DIATRAC adhesive powder and 40 Plastic Polymer Tips



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09-04 Crown Instruments





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⁰⁹⁻⁰⁶ Crown Instruments

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Telecrown-Grip

These Telescoping-Jaw Pliers offer three variation possibilities in one.

Their adjustable and rigid tips have a first-class, anatomically correct friction coefficient.

The design of the contacting surfaces of their diamondtipped 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





Telecrown-Grip, rigid, 2.35 mm, diamond-tipped jaws with exchangeable tips, incl. Allan Key, 13 cm

Spare Parts

31.185.10

0 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

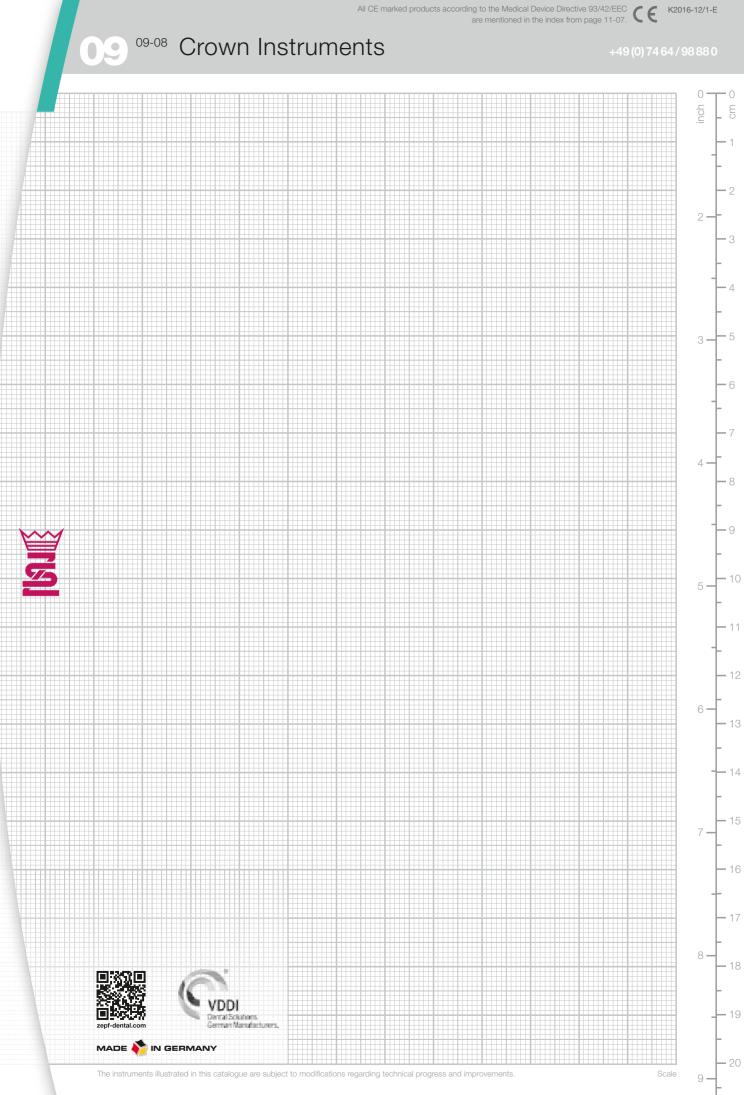
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Crown Instruments 09-07

Modeling Instruments – Precision in Perfection

Quality MADE IN GERMANY for the quality-conscious technician.





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Maintenance 10-01





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.









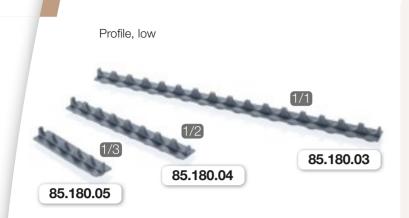




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¹⁰⁻⁰² Maintenance

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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.



Maintenance 10-03

Advantages

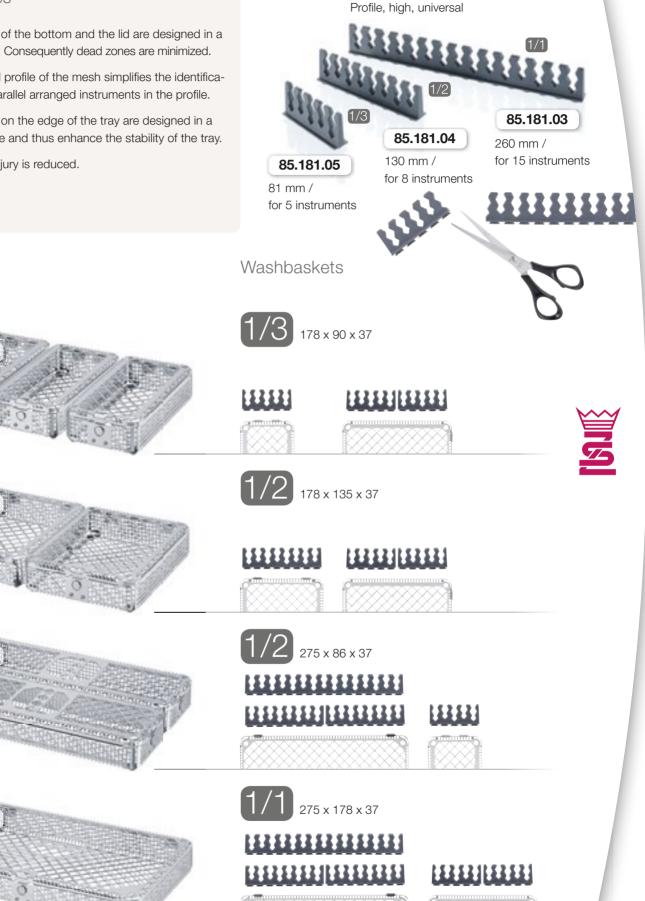
85.192.50

85.194.00

85.194.50

85.195.00

- 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.

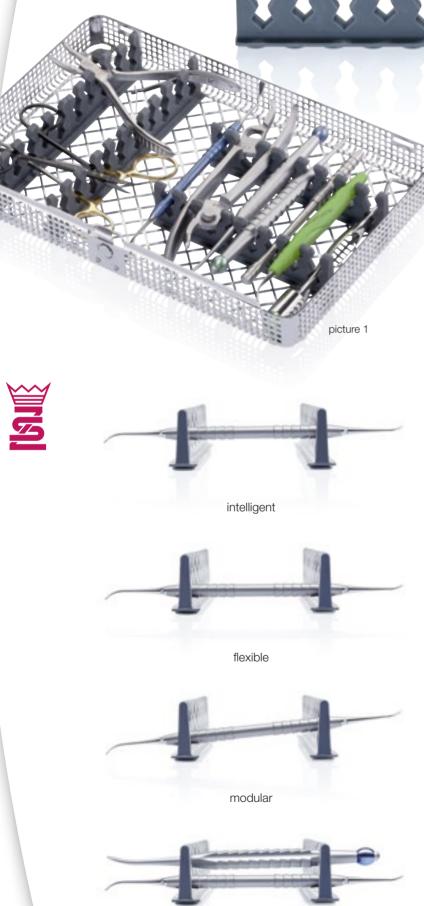


¹⁰⁻⁰⁴ Maintenance

All CE marked products according to the Medical Device Directive 93/42/EEC CE K2016-12/1-E are mentioned in the index from page 11-07.

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Profile, high, universal (example see picture 1)



Arranged in a practiceoriented 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**:

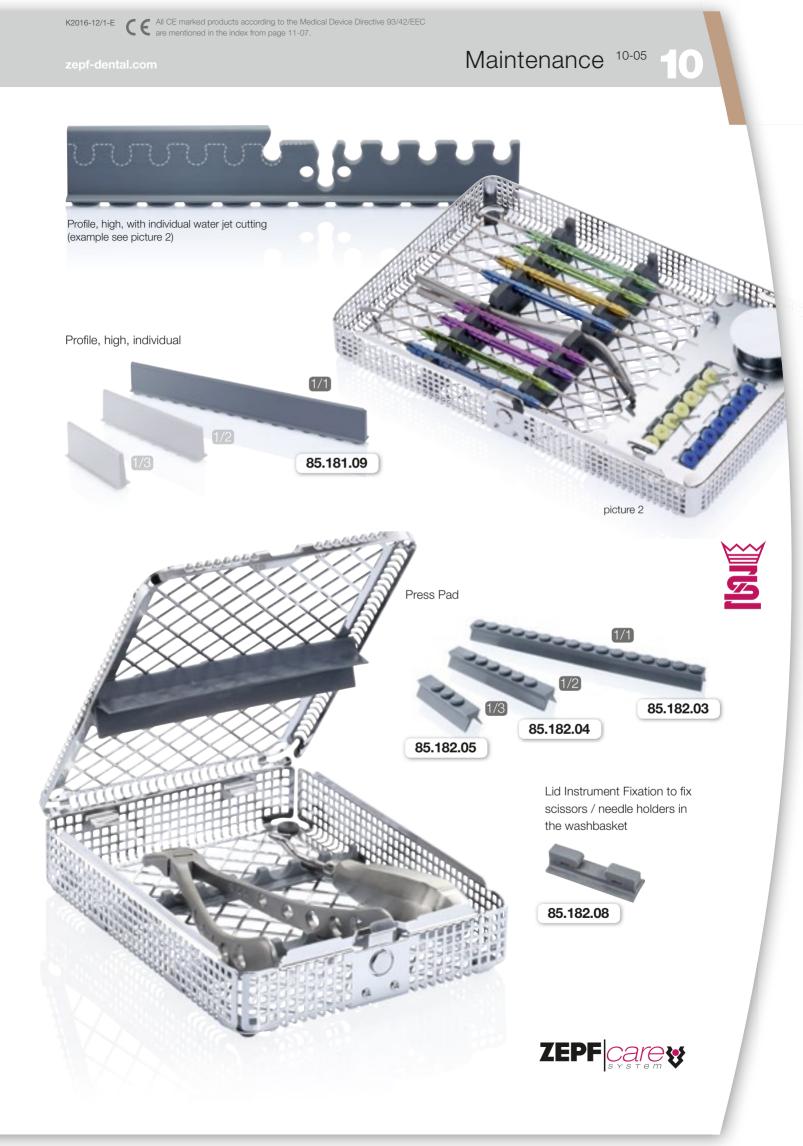
metal / metal X

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.



¹⁰⁻⁰⁶ Maintenance

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Maintenance 10-07

Bottom and lid is perforated, optimized latch system, incl. 2 long-term textile filters

Width 310 / Depth 190 / Height X

Width 280 / Depth 182 / Height X

Dimensions in mm:

Outside:

Inside:

85.327.00



Aluminium Sterilization Container in 5 Sizes

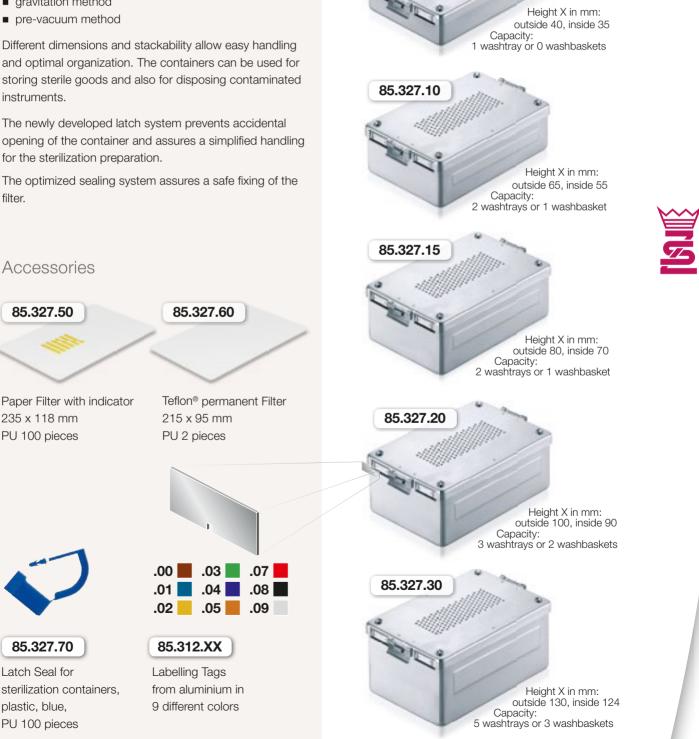
Through the integrated filter in the lid and the base the Sterilization Containers are suitable for all steam sterilization methods:

- 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.

filter.



10-08 Maintenance

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K2016-12/1-E

Dental-Tray Cassette

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

All CE marked products according to the Medical Device Directive 93/42/EEC

are mentioned in the index from page 11-07.

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



Medicine Cup, stainless steel, 25 ccm



Mixing Cup, stainless steel, with plastic lid, Ø 4 cm



Mixing Cup with Lid 85.251.10 Lid 85.251.13 Mixing Cup



Mixing Cup, stainless steel, with plastic lid, Ø 4 cm

85.703.00

System drill rack for max. 14 drills, incl. mixing cup with lid and silicone bushings



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 d; 85.183.41 85.183.48 85.183.42



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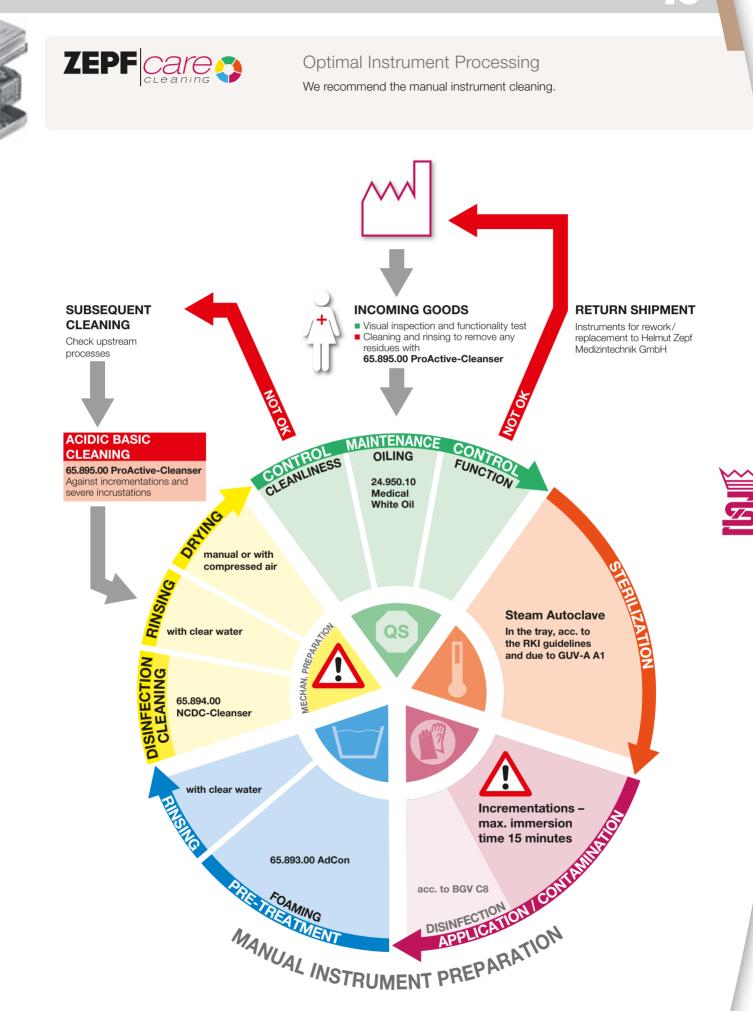


85.183.46



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Maintenance 10-09



¹⁰⁻¹⁰ Maintenance

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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**





Cleansing foam for an intensive but not protein fixated pre-cleaning of all instruments



Spray bottle, 500 ml

65.893.06

65.893.00

Packing unit: 6 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.



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

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

Dispensing bottle, 50 ml







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 incrusted 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.

Maintenance 10-11



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

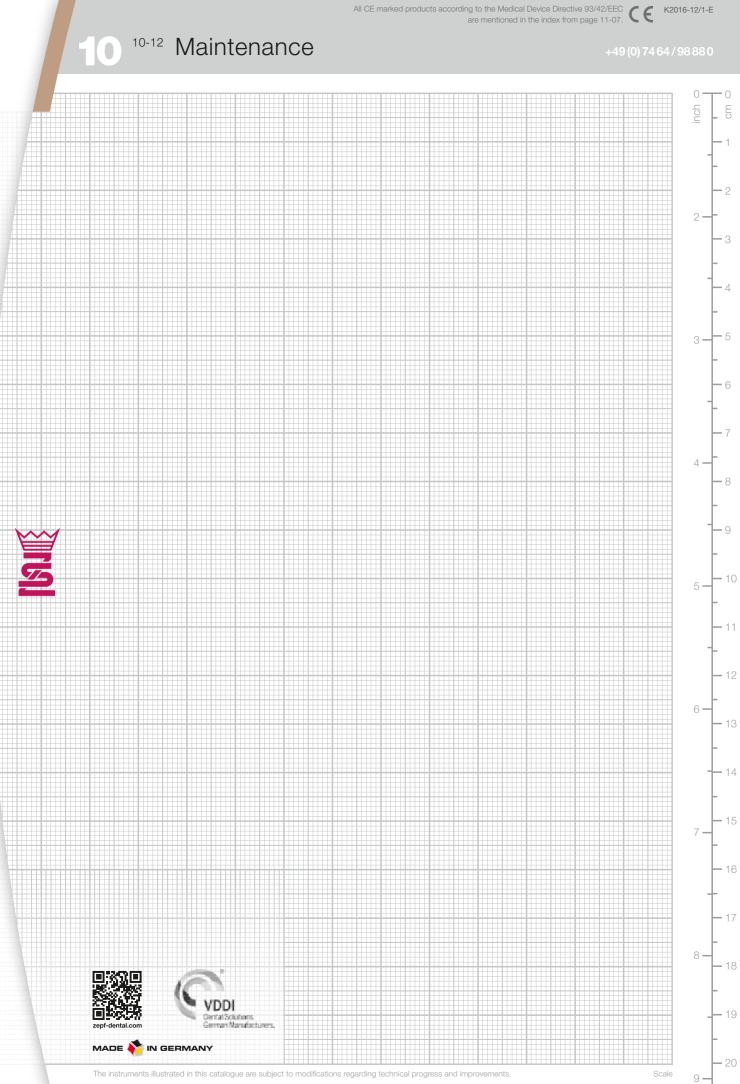
Please treat the instruments with AdCon the latest 15 minutes after usage in order to prevent incrementations.

PROBLEM: Metal brushes

They destroy the passive layer of the instrument surface!

SOLUTION: Brushes with nylon bristles







¹¹⁻⁰² Alphabetical Index

•		
A AdCon Cloopsing Foom		10-10
AdCon Cleansing Foam		
Adenoid Curette		07-11
Adson Forceps		06-05
Adson Micro Forceps		06-04
Allis Tissue Forceps		06-06
All-Purpose Forceps		09-02
All-Purpose Handles M2.5		02-05
All-Purpose Pliers		04-25
		07-29
Alveolar Ridge Measuring Caliper		
Amalgam Gun		04-06
Anatomic Forceps	03-34,	06-02
Anatomical Plate Forceps		03-34
Antrum Punch Forceps		06-28
Apical Root Elevator		05-57
Arkansas, Original Sharpening Stone		03-30
		04-22
Articulating Forceps	• • • • •	
	2 , 07-19,	
Atraumatic Surgical Forceps		06-04
Atraumatic Tissue Forceps	06-03,	08-08
Augmentation Kit	07-24 -	07-25
Augmentation Material Applicator		07-26
2		
B Back Action Chisel	02.00	07.00
	03-29 ,	
Backhaus Towel Clamp		06-06
Ball-shaped Plugger		04-07
Bauer Crown-Spreading Pliers		09-01
Beck Atraumatic Forceps		06-03
Beck Extracting Forceps	05-27 -	
Beck Root Elevator	00 21	05-51
Beck Suture Removal Scissors		08-04
Beebee Crown Scissors		06-38
Bein Elevator		05-50
Benex Extraction	05-01 -	05-06
Benex Pole Extractor	05-03,	05-05
Beyer Bone Rongeur Forceps	,	06-26
bionik End Cap		03-03
bionik Handle 02-01 - 02-02	03 03	
bionik Mouth Mirror Handle	03-02 -	
bionik Reduction Insert		03-03
Blade Holder 06-29	- 06-32,	08-12
Blumenthal Bone Rongeur Forceps		06-25
Böhler Bone Rongeur Forceps		06-27
Boley Sliding Caliper		07-29
Bone- & Alveolotomy File		06-45
Bone Caliper		07-29
Bone Condenser		07-06
Bone Condensing Set		07-06
Bone Crusher		07-13
Bone Cutting Forceps		06-27
S		07-06
Bone Fitting Set		
Bone Mill		07-14
Bone Mill Forceps		07-13
Bone Rongeur Forceps	06-24 -	06-27
Bone Scraper		07-09
Bone Splitting System by Vollmer Valentin	07-03 -	
	2. 50	06-12
Bowdler-Henry's Rake		06-43
Bowdler-Henry's Rake Bowl		00 1
Bowdler-Henry's Rake Bowl Bowman Probe		
Bowdler-Henry's Rake Bowl Bowman Probe Bridges and Crowns Removing Pliers		
Bowdler-Henry's Rake Bowl Bowman Probe Bridges and Crowns Removing Pliers		09-05
Bowdler-Henry's Rake Bowl Bowman Probe Bridges and Crowns Removing Pliers Brozio Anatomical Plate Forceps		09-05 03-34
Bowdler-Henry's Rake Bowl Bowman Probe Bridges and Crowns Removing Pliers Brozio Anatomical Plate Forceps Brush		09-05 03-34 10-11
Bowdler-Henry's Rake Bowl Bowman Probe Bridges and Crowns Removing Pliers Brozio Anatomical Plate Forceps Brush Brush Holder		09-05 03-34 10-11 04-20
Bowdler-Henry's Rake Bowl Bowman Probe Bridges and Crowns Removing Pliers Brozio Anatomical Plate Forceps Brush Brush Holder Brush Holder Brush Holder CompoSMOOTH Bur Stand		06-44 09-05 03-34 10-11 04-20 04-04 07-12

	С			
C	Cannula, Syringe			06-43
1	Carpal Root Elevator			05-55
5	Cartridge Syringe			06-43
4	Carving Instrument			09-07
	Cawood-Minnesota Cheek Retracto	r		06-09
2	Cement Spatula			04-09
5	Cheek and Lip Rectractor		06-10 -	
5	Cheek Retractor		06-09,	
à	Chisel		07-04,	
ŝ	Chompret Syndesmotome		01 01,	05-56
5 2 5 5 5 5 7 6 7 6 7 8	Cleaning ZEPF-Care		10-10 -	
1	Cleveland Bone Cutting Forceps		10-10	06-27
3	Cleveland Bone Rongeur Forceps			06-25
7	Cohen Cohen Soft Tissue Nipper			06-28
)	Cohen Soft Tissue Nipper			06-28
2	Columbia Universal Curette		03-16 -	
1	Composite Instrument		04-02 -	
1	Composite Set		04-02	04-03
+ 3	CompoSMOOTH	04_01	04-04 -	
5	Condenser	04-01,	04-04 -	04-03
5	Cooley Micro Forceps			04-00
J	Cotton Plugger			06-44
	Cow Horn Probe			02-07
C	Cream Cannula			06-43
9	Crile-Wood Needle Holder			06-43
5 7	Crown Butler			09-04
1	Crown Forceps			09-04
3	Crown Holding Pliers			09-02
5 1	Crown Lever			09-05
∎ 1	Crown Remover automatic			09-04
1	Crown Ring Remover			09-04
+ 3	Crown Scissors		06-38,	
	Crown-Extraction Pliers		00-30,	09-03
)	Crown-Spreading Pliers			09-03
5	Crown-Tractor			09-03
2	Cryer Root Elevator			05-59
2	Curette Gracey bionik	02 10	03-14 -	
י כ	Curette Titanium	03-10,	03-14 -	
י כ		02 16	- 03-18,	
с с	Curette Universal stainless steel	03-10	- 03-10,	03-32
ך ר	Curette Orinversal stall liess steel			03-24
	D			
7	De Bakey Forceps			06-02
' ג	Dean Scissors			06-35
5	Denhart Mouth Retractor			06-11
ך ר	Derf Needle Holder			06-41
	Desmotome		05-44 -	
2	Diamond Drill		07-19,	
ך כ	Diamond-Tipped Jaws		07-19,	09-06
2 7				09-00
	Diatrac			
5 4	Disimpaction Forceps			06-11
	Double-Action Instrument			08-02
3 7	Dressing Forceps		06-06,	
	Drill Rack			10-08
9	Drilling Sleeve			07-27
4	Drop-Control Blade Holder			06-29
2 3	E			
5 4	Easy Matrix Setter			04-23
т	LUGY MALIN OGLIGI			04-20





K2016-12/1-E C C All CE marked products according to the Medical Device Directive 93/42/EEC are mentioned in the index from page 11-07.

zepf-dental.com

Alphabetical Index 11-03

Extracting Forceps	05-07 -		I
Extracting Forceps, American Pattern Extraction System Benex	n 05-20 - 05-01 -		ID Plu
Extraction Cyclom Bonox	00 01	00 00	Impac Implar
F			Impre
Fahnenstock		09-07	Inlay F
Fedi Periodontal File		03-28	Instru
Filling Instrument Composite	04-02 -		Iris Sc
Finger Protector Finishing Clamp		06-08 04-24	lvory
Flag Holder Set		07-27	Ivory F
FLEX-EX Power Periotome		05-47	J
Flohr Root Elevator		05-54	Jones
	06-02 - 06-05,		Josep
Forceps Anatomic	03-34,		Junior
Forceps Atraumatic Forceps Micro Cooley	06-03 -	08-04	к
Forceps Surgical	06-02 -		r Kapla
Fracture Splint	00 02	06-46	Kapo
Frazier Suction Cannula		06-43	Kelly H
Freer Periosteal Elevator		06-21	Kelly S
Furcation Probe		03-07	Kerris
G			Kirklar
Gärtner Root Elevator	05-50 -	05-56	Kirsch
Gerald Forceps	00 00	06-05	Kirsch Kirsch
Giesenhagen One Step Augmentatio	n & Implantatio	n	Kirsch
	07-10 -	07-11	Klinge
Gillies Forceps		06-05	Koche
Gingiva Retractor	03-26 -	06-32	Koche
Gingivectomy Knive Glickmann Raspatory	03-20 -	06-23	Koche
Goldman-Fox Gingivectomy Knive	03-26 -		Korkh Krastl
Goldman-Fox Scissors		06-35	Kreke
Gracey Curette bionik	03-14 -	03-15	14010
Gracey Curette stainless steel	03-22 -		L
Gracey M5 Titanium Curette		03-19	La Gra
Gross Dressing Forceps		06-06	Lange
н			Lange
Haemostatic Forceps	06-06 -	06-07	Lange Lange
Halstead Micro Haemostatic Forceps		06-07	Lange
Halstead-Mosquito Haemostatic For		06-07	Lichte
Hammer	06-48 ,		Ligatu
Handle bionik M2.5 Handle bionik M4 x 0.5	02-02,	03-03 02-02	Lindo
Handle Comparison M2.5		02-02	Lipcar
Handle Comparison M4 x 0.5		03-04	Lockli Londo
Handle Universal M2.5		02-05	Lucas
Handle Universal M4 x 0.5		03-02	Luer E
Hartmann Haemostatic Forceps		06-07	Luer-L
Heidbrink Root-Splinter Elevator		05-52	Luniat
Heidemann Spatula Hemingway Sharp Spoon	05-48	04-09 06-20	М
Hildebrand Luxation Elevator	05-41 -		
Hilger Retractor		06-08	M5 De M5 Ti
Hirschfeld Periodontic Files		03-26	Macro
Hohl Hildebrand Bone Condensing S	Set	07-06	Magn
Hohl Hildebrand Bone Fitting Set		07-06	Mathie
Hold'n'Cut Micro Needle Holder	08-06 ,		Matrix
Hollow Cylinder Osteotome Hygienist Scaler bionik	0.3-13	07-08 03-20	Matrix
Hygienist Scaler stainless steel	00 10,	03-25	Maty (Maty (
Hylin Root Elevator		05-56	Mayo
			McCa
			Mead

ID Plug Impac Tray by PD Dr. Weng Implant Holding Tweezers Impression Tray Inlay Forceps Instrument Rack universal Iris Scissors Ivory Ivory Rubber Dam Set	08-09 - 04-12 -	07-27
J Jones Towel Clamp Joseph Scissors Junior Matrix Retainer		06-07 06-34 04-22
K Kaplan Mini Scaler Kapogianni Vestibulum Retractor Kelly Haemostatic Forceps Kerrison Antrum Punch Forceps Kirkland Gingivectomy Knive Kirsch Micro Needle Holder Kirsch Plugger Kirsch Sinus Lift Set Kirsch Spoon Klingex Safety Blade Remover Kocher Haemostatic Forceps Kocher Retractor Kocher Retractor Kocher-Langenbeck Retractor Korkhaus Wire and Ligature Pliers Krastl CompoSMOOTH Krekeler Sliding Caliper	07-15, 07-21 07-22 - 07-15, 07-21 04-01, 04-04 -	07-23 07-23 06-31 06-07 06-18 06-14 06-46
L La Grange Scissors Langenbeck Finger Protector Langenbeck Retractor Langenbeck-Ryder Needle Holder Langer Universal Curette Langer Universal Curette stainless s Lichtenberg-Ryder Needle Holder Ligature Scissors Lindo-Levien Root Elevator Lipcare Mouth Mirror Locklin Scissors London College Tweezers Lucas Scraper Luer Bone Rongeur Forceps Luer-Lock Syringe Luniatschek Cotton Plugger	02-08 -02-09	06-34 06-08 06-15 06-39 03-17 03-24 06-39 06-37 05-53 02-04 06-36 03-34 06-20 06-25 06-43 06-44
M M5 Deep Scaling Set M5 Titanium Curette Macro Needle Holder Magnetic Stick Mathieu Needle Holder Matrix Band Matrix Retainer Maty Cheek and Lip Rectractor Maty Suction Tube Mayo-Hegar Needle Holder McCall Universal Curette Mead Hammer Medical White Oil		03-11 03-19 08-05 03-30 06-39 04-22 06-10 07-21 06-40 03-16 06-48 10-11



h.

¹¹⁻⁰⁴ Alphabetical Index

Medicine Cup	06-43, 10	9-08
Meiselbach Sinus Elevator	07	7-15
Meriam Tweezers	02	2-08
Merrifield Gingivectomy Knive	03	3-27
Metzenbaum Preparation Scissors		5-36
Metzenbaum-Fino Scissors		5-37
Micro Aspirator		6-42
Micro Blade Holder		3-12
Micro Bone Rongeur Forceps		5-24
	02, 08-07 - 08	
Micro Friedmann Bone Rongeur Forceps		5-24
Micro Instrument Set		3-13
	14 - 08-06, 08	
Micro Scalpel Blade Micro Scalpel Handle		3-12 3-12
Micro Scalper Handle Micro Scissors		3-03
Micro Tissue Forceps		3-07
Micro-Adson Forceps		5-04
Micro-Halstead Haemostatic Forceps		6-07
Micro-Mirror		3-35
Micro Sinus Plugger		7-19
Micro Sinus Spoon		7-19
Middeldorpf Retractor		6-13
Miller Bone- & Alveolotomy File		6-45
Miller Crown Ring Remover	09	9-04
Miller Root Elevator	05	5-55
Milling Part for Bone Mill		7-14
Mini Friedmann Bone Rongeur Forceps	06	6-25
Mini-Kaplan Scaler		3-20
Mirror for Photography		6-47
Mirror Handle M2.5		2-03
Mirror Micro		3-35
Mixing Cup 07-11, 07-19, 07-21, 07-		
Mobilization Hook		5-13
Modeling Instrument Modeling Knife		9-07 1-13
Molt Mouth Prop		6-11
Molt Raspatory		5-22
Mouth Gag		6-08
Mouth Mirror		2-04
Mouth Prop		6-11
Mucosa Membrane Punch	07	7-12
Müller Retractor	06	6-08
Müller Vestibulum Retractor	06	6-09
Ν		
Nabers Furcation Probe		3-07
NCDC-Cleanser)-10
Needle Holder	06-39 -06	
Needle Holder Lichtenberg		5-39
Needle Holder Micro		3-04
Needle Holder Swedish Model		5-40
Nerve-Canal Pliers		3-34
New Osteotome Kit	07-01 - 07	
Norm-Tray Cassette	10)-08
0		
	2,06-17-06	3-18
Obwegeser Soft Tissue Hook		5-16
Ochsenbein Periodontal Chisel	03-28 - 03	
One Step Augmentation & Implantation	07-10 - 07	
Onyx Scissors	06-33, 08	
Osteotome	07-07 - 07	
Osteotome Kit	07-01 - 07	
Р		
PA Probe	03-06 -03	3-09

Papilla Elevator	
	06-32, 08-12
Papillex	06-32
Pear-shaped Plugger	04-06
Pedodontic Extracting Force	
Peet Splinter Forceps	03-35, 04-25
Perforation Raspatory	07-25
Periodontal Chisel	03-28 - 03-29
Periodontal Probe	
	03-08 03-06 02 07 02 00
Periodontal Probe exchang	
Periodontal Set	03-13
Periodontic Files	03-26
Periosteal Elevator	06-21
Periotome	05-47 - 05-49
Periotome, exchangeable ir	
Photography Mirror	06-47
Pin Applicator	07-02, 07-25
Pin Membrane Probe	07-25
Plain Milling Cutter	07-11
Plate Forceps	03-34
Plugger	04-06 , 07-15, 07-21, 07-23
Potts Smith Forceps	06-05
Power Periotome	05-47
Preparation Scissors	06-35 - 06-36
Press Pad	10-05
Prichard Raspatory	06-23
ProActive-Cleanser	10-11
Probe	02-07, 06-44
Probe Tip interchangeable	02-05
Profile	10-02 -10-03
Profile, individual	10-05
Prophylaxis Set 'Bionik'	03-13
Prophylaxis Set 'M5 Deep S	
Prophylaxis Set 'Universal'	03-12
Prophylaxis-Set 'Gracey'	03-10
Proximator Xtool Elevator	05-43 - 05-45
-	
Q	
Q QuickFix	03-02
	03-02
	03-02
QuickFix	03-02 06-13
QuickFix R Ragnell-Davis Retractor	
QuickFix R Ragnell-Davis Retractor Rake Retractor	06-13 06-12
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor	06-13 06-12 06-16
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory	06-13 06-12 06-16 06-23
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleva	06-13 06-12 06-16 06-23 ator 06-21 - 06-24
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleva Removing Pliers	06-13 06-12 06-16 06-23 ator 06-21 - 06-24 09-05
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleva Removing Pliers Rescue-Line	06-13 06-12 06-16 06-23 ator 06-21 - 06-24 09-05 05-15
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleva Removing Pliers Rescue-Line Retraction-Thread Plugger	06-13 06-12 06-16 06-23 ator 06-21 - 06-24 09-05 05-15 06-44
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleva Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor	06-13 06-12 06-16 06-23 ator 06-21 - 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleva Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor Retractor and Mouth Mirror	ator 06-13 06-12 06-16 06-23 06-21 - 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa	ator 06-13 06-12 06-16 06-23 ator 06-21 - 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel	ator 06-13 06-12 06-16 06-23 ator 06-21 - 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator	ator 06-13 06-12 06-16 06-23 ator 06-21 - 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker	ator 06-13 06-12 06-16 06-23 06-21 - 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 07-11
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps	ator 06-13 06-12 06-16 06-23 ator 06-21 - 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 07-11 05-27 - 05-32
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker	ator 06-13 06-12 06-16 06-23 ator 06-21 - 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 07-11 05-27 - 05-32
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps	ator 06-13 06-12 06-16 06-23 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 03-29 07-11 05-27 - 05-32 g Forceps 05-32
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin	ator 06-13 06-12 06-16 06-23 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 03-29 07-11 05-27 - 05-32 g Forceps 05-32
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin Rochester-Pean Haemosta	ator 06-13 06-12 06-16 06-23 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 05-27 - 05-32 g Forceps 05-32 tic Forceps 06-07 06-24 - 06-27
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin Rochester-Pean Haemosta Rongeur	ator 06-13 06-12 06-16 06-23 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 05-27 - 05-32 g Forceps 05-32 tic Forceps 06-07 06-24 - 06-27
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin Rochester-Pean Haemosta Rongeur Root- and Splinter Forceps Root Canal Explorer	ator 06-21 - 06-13 06-12 06-16 06-23 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 05-27 - 05-32 g Forceps 05-32 tic Forceps 05-32 tic Forceps 06-07 06-24 - 06-27 05-17 03-36
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin Rochester-Pean Haemosta Rongeur Root- and Splinter Forceps Root Canal Explorer Root Canal Plugger	ator 06-21 - 06-13 06-12 06-16 06-23 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 05-27 - 05-32 g Forceps 05-32 tic Forceps 05-32 tic Forceps 06-07 06-24 - 06-27 05-17 03-36 03-36 - 03-37
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin Rochester-Pean Haemosta Rongeur Root- and Splinter Forceps Root Canal Explorer Root Canal Plugger Root Canal Spreader	ator 06-21 - 06-13 06-12 06-16 06-23 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 07-11 05-27 - 05-32 g Forceps 05-32 tic Forceps 05-32 tic Forceps 05-32 06-24 - 06-27 05-17 03-36 03-36 - 03-37 03-36
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin Rochester-Pean Haemosta Rongeur Root- and Splinter Forceps Root Canal Explorer Root Canal Spreader Root Canal Spreader Root Elevator	ator 06-21 - 06-13 06-12 06-16 06-23 05-15 06-44 02-05, 06-08 - 06-19 02-06 1 03-29 07-11 05-27 - 05-32 g Forceps 05-32 tic Forceps 05-32 tic Forceps 06-07 06-24 - 06-27 05-17 03-36 03-36 03-36 - 03-37 03-36
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin Rochester-Pean Haemosta Rongeur Root- and Splinter Forceps Root Canal Explorer Root Canal Spreader Root Elevator Root Elevator No. 195	ator 06-21 - 06-13 06-12 06-16 06-23 05-15 06-44 02-05, 06-08 - 06-19 02-06 1 03-29 07-11 05-27 - 05-32 g Forceps 05-32 tic Forceps 05-32 tic Forceps 06-07 06-24 - 06-27 05-17 03-36 03-36 03-36 - 03-37 03-36 05-50 - 05-57, 05-59 05-53
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin Rochester-Pean Haemosta Rongeur Root- and Splinter Forceps Root Canal Explorer Root Canal Spreader Root Elevator Root Elevator Root-Splinter Elevator	ator 06-21 - 06-13 06-12 06-16 06-23 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 05-27 - 05-32 g Forceps 05-32 tic Forceps 05-32 tic Forceps 06-07 06-24 - 06-27 05-17 03-36 03-36 03-36 - 03-37 03-36 05-50 - 05-57, 05-59 05-53 05-52
QuickFix R Ragnell-Davis Retractor Rake Retractor Ramus Retractor Raspatory Raspatory / Periosteal Eleve Removing Pliers Rescue-Line Retraction-Thread Plugger Retractor Retractor and Mouth Mirror Revolving Chisel Vienna Pa Rhodes Back Action Chisel Ring Applicator Ring Breaker RoBa Extracting Forceps RoBa Pedodontic Extractin Rochester-Pean Haemosta Rongeur Root- and Splinter Forceps Root Canal Explorer Root Canal Spreader Root Elevator Root Elevator No. 195	ator 06-21 - 06-13 06-12 06-16 06-23 06-24 09-05 05-15 06-44 02-05, 06-08 - 06-19 02-06 ttern 05-58 03-29 07-11 05-27 - 05-32 g Forceps 05-32 tic Forceps 05-32 tic Forceps 06-07 06-24 - 06-27 05-17 03-36 03-36 03-36 - 03-37 03-36 05-50 - 05-57, 05-59 05-53 05-52



04-19

04-19

07-29

06-26

06-27

06-41

Rubber Dam Frame Rubber Dam Punch Forceps Ruler Ruskin Bone Rongeur Forceps Ruskin-Liston Bone Cutting Forceps Ryder Needle Holder

S

S	
Safety Blade Remover	06-30
Safety Key	03-05
Scaler bionik	03-20 - 03-21
Scaler stainless steel	03-25
Scalpel Handle	08-12
Scalpel Handle / Blade	06-30 - 06-32
Scalpel Micro	06-31
Schäfer Retractor	06-15
Scissors	06-33 - 06-38
Secure-Line	05-14
Seldin Elevator	06-21
Seldin Root Elevator	05-54
Semken Forceps	06-03
Semken-Taylor Forceps	06-02
Senior Matrix Retainer	04-22
Senn-Miller Retractor	06-13
Separating Disc	07-05
Separation Forceps	04-21
Shakibaie-M. Micro Sinus Aspirator	07-19
Shakibaie-M. Sinus Lift Set	07-17 - 07-19
Sharp Spoon	05-48
Sharpening Oil	03-30
Sharpening Stone	03-30 - 03-31
Sickle Scaler bionik	03-20 - 03-21
Sickle Scaler stainless steel	03-25
Silicone Mouth Gag	06-08
Sinus Elevator	07-15 - 07-23
Sinus Instrument	07-15 - 07-23
Sinus Lift Set	07-17 - 07-23
Sinus-Line Aspirator	06-42 , 07-19, 07-21
Sinus-Line Aspirator Sliding Caliper	06-42 , 07-19, 07-21 07-28 - 07-29
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps	06-42 , 07-19, 07-21 07-28 - 07-29 05-26, 05-32
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert	06-42 , 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook	06-42 , 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S	06-42 , 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 -	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette stainless steel	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splint Splinter Forceps Spoon	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-02, 07-25
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins Suction Cannula	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-02, 07-25 06-43
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins Suction Cannula Supercut	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-02, 07-25 06-43 06-34
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins Suction Cannula Supercut Surgical Aspirator	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-02, 07-25 06-43 06-34 06-34 06-42
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins Suction Cannula Supercut Surgical Aspirator Surgical Scissors	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-25 06-43 06-34 06-34 06-42 06-38
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins Suction Cannula Supercut Surgical Aspirator Surgical Scissors Suture Forceps Micro	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-20, 07-25 06-43 06-38 08-08
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins Suction Cannula Supercut Surgical Aspirator Surgical Scissors Suture Forceps Micro Suture Forceps	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-20, 07-25 06-43 06-38 08-08 06-02
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins Suction Cannula Supercut Surgical Aspirator Surgical Scissors Suture Forceps Suture Forceps Suture Forceps Suture Removal Scissors	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-02, 07-25 06-43 06-38 08-08 06-02 08-04
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins Suction Cannula Supercut Surgical Aspirator Surgical Scissors Suture Forceps Suture Forceps Suture Removal Scissors Syfrig Benex Extraction System	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-20, 07-25 06-43 06-38 06-38 08-08 06-02 08-04 05-01 - 05-06
Sinus-Line Aspirator Sliding Caliper Small Extracting Forceps Soft Application Insert Soft Tissue Hook Soft Tissue Micro Instrument Basic S Spatula Special Curette bionik 03-10 - Special Curette bionik 03-10 - Special Curette stainless steel Spencer Scissors Spiculum Raspatory Spina-Nasalis Retractor SpinLock Splint Splinter Forceps Spoon Sterilization Container Sternberg Lip Retractor Stiller Sinus Lift Set Storage Box for Pins Suction Cannula Supercut Surgical Aspirator Surgical Scissors Suture Forceps Suture Forceps Suture Forceps Suture Removal Scissors	06-42, 07-19, 07-21 07-28 - 07-29 05-26, 05-32 04-04 06-16 Set 08-13 04-08 - 03-11, 03-14 - 03-15 03-22 - 03-23 06-37 06-24 06-17 08-02 06-46 03-34 07-15, 07-21, 07-23 10-07 06-11 07-20 - 07-21 07-02, 07-25 06-43 06-38 08-08 06-02 08-04

т		
Tampon Plugger Taylor Scaler Telecrown-Grip Telescope Crown Pliers Tessier Mobilization Hook Test Probe, Acryl Tissue Forceps 06-02 Tissue Forceps Atraumatizing Titanium Curette Titanium Milling Part Titanium Pin Tofflemire Matrix Band Tofflemire Matrix Retainer Tongue Depressor Towel Clamp Tower Point Scissors Towner / Jacquette Scaler stainless steel Trephine Tungsten Carbide Tunneling Instrument Tweezers Tweezers anatomical	09-05 - - 06-06, 03-18 - 06-06 - 07-11 - 02-08 -	06-13 03-30 08-07 08-08 03-19 07-13 07-25 04-22 04-22 06-12 06-07 06-37 03-25 07-12 06-34 08-01 02-09 03-34
Twist-Ex Extracting Forceps Kit	05-18 -	05-19
U Universal Crown Scissors Universal Curette bionik Universal Curette stainless steel Universal Forceps Universal Prophylaxis Set Universal Titanium Curette Universal Tweezers	03-16 - 04-25 ,	03-24
Vestibulum Retractor Vise Vienna Revolving Chisel Vollmer Hammer Vollmer Valentin Bone Splitting System	06-09, 06-48 , 07-03 -	03-30 05-58 07-05
W Washbasket Washtray Water Syringe Wax Carver Wedge Wedge Applicator Weng Impac Tray Weng Needle Holder Weng Papilla Elevator WHO Probe Wieder Tongue Depressor Williger Raspatory Winter Root Elevator Wire Root Elevator Wire and Ligature Pliers Wire Cutting Pliers Wire Sizing / Ligature Pliers Wire Sizing / Ligature Pliers Wisdom Routurier Extracting Forceps Witzel Root-Splinter Forceps	08-09 -	08-10 08-12 03-08 06-12 06-21 05-59 06-46
X Xcision Extracting Forceps Xtool Luxation Elevator Xtool Set	05-07 - 05-41 -	

Xtool Set



05-46

zepf-dental.com

¹¹⁻⁰⁶ Alphabetical Index

Υ

Yildirim Drilling Sleeve	07-27
Z	
Zaufal-Jansen Bone Rongeur Forceps Zepf, Original Sharpening Stone ZEPF-Care Instrument Processing ZEPF-Care Processing ZEPF-Care System	06-26 03-31 10-09 10-10 - 10-11 10-01 - 10-08



Numerical Index 11-07

Numerical Index Pages 11-10 to 11-20

All medical devices according to the Medical Device Directive 93/42/EEC are marked with CE in the numerical index. All CE marked medical devices that have to be provided with the notified body are marked with * next to the CE mark, in the numerical index. The notified body is available through our latest valid certificates. These are available per request or download from **zepf-dental.com**.



¹¹⁻⁰⁸ Numerical Index

+49 (0) 74 64 / 98 88 0

08.902.031HF	07-21	C€*
08.906.014C	07-19	C€*
08.906.016C	07-19	CE*
08.906.018C	07-19	CE*
08.906.023C	07-21	CE*
08.906.029C	07-21	C€*
08.910.01	07-12	CE*
08.910.02	07-12	C€*
08.910.03	07-12	CE*
08.910.04	07-12	CE*
08.910.05	07-12	C€*
08.910.06	07-12	C€*
08.910.07	07-12	C€*
08.910.08	07-12	CE*
08.910.08F	07-11	CE*
08.910.08S	07-11	C€*
08.910.09	07-12	CE*
08.910.09F	07-11	C€*
08.910.09S	07-11	ce*
08.910.10	07-12	C€*
08.910.10F	07-11	ce*
08.910.10S	07-11	C€*
08.910.11	07-12	C€*
08.910.11F	07-11	CE*
08.910.11S	07-11	C€*
08.910.12	07-12	<€*
08.910.13	07-12	CE*
08.910.13F	07-11	C€*
08.910.13S	07-11	C€*
08.910.22	07-11	CE*
08.911.30	07-12	C€*
08.912.10	07-12	CE*
08.912.50	07-12	CE*
08.912.75	07-12	CE*
08.915.02	07-27	C€*
08.915.05	07-27	CE*
08.917.00	07-27	C€
08.917.05	07-27	C€
08.917.07	07-27	C€
08.917.13	07-27	CE
08.917.20	07-27	CE
08.920.03	07-12	C€*
08.920.04	07-12	C€*
08.920.05	07-12	C€*
08.920.06	07-12	C€*
08.920.13	07-12	C€*
08.920.16	07-12	C€*
10.002.00	05-09	CE
10.007.00	05-09	CE
10.013.00	05-10	CE
10.017.00	05-09	CE
10.018.00	05-09	CE

10.022.00	05-11	C€
10.033.01	05-10	C€
10.051.01	05-10	CE
10.067.01	05-10	CE
10.067.17	05-09	CE
10.067.18	05-09	CE
10.073.01	05-10	CE
10.079.00	05-11	CE
10.087.00	05-11	CE
10.681.07	05-26	CE
10.681.13	05-26	CE
10.681.22	05-26	CE
10.681.29	05-26	CE
10.681.33	05-26	CE
10.681.51	05-26	CE
10.681.52	05-26	CE
10.685.07	05-32	CE
10.685.13	05-32	CE
10.685.22	05-32	CE
10.685.29	05-32	CE
10.685.33	05-32	CE
10.685.51	05-32	CE
10.685.52	05-32	CE
12.002.00Z	05-09	CE
12.007.00Z	05-09	ce
12.013.00Z	05-10	CE
12.017.00Z	05-09	CE
12.018.00Z	05-09	CE
12.021.90Z	05-12	C€
12.022.00Z	05-11	CE
12.033.01Z	05-10	CE
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	05-31	
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12.300.08	05-04	CE
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12.300.11	05-05	CE
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12.522.16Z	05-16	CE
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14.001.01	05-20	CE
14.010.09	05-20	CE
14.010.11	05-25	CE
14.016.00	05-21	CE
14.017.00	05-21	CE
14.018.15	05-21	CE
14.018.16	05-20	CE
14.023.00	05-20	CE
14.053.15	05-21	CE
14.053.16	05-21	CE
14.065.00	05-21	CE
14.069.00	05-22	CE
14.088.15	05-22	CE
14.088.16	05-22	CE
14.000.10	00-22	ce

14.101.00	05-22	CE
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14.150.10	05-24	C€
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14.151.00D	05-23	C€
14.151.01	05-23	C€
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14.217.00	05-24	CE
14.222.00	05-25	CE
14.222.11	05-25	CE
14.700.01	05-16	CE
14.700.10Z	05-17	CE
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15.222.00D	05-39	CE
15.234.07	05-38	CE
15.234.07D	05-38	CE
15.234.08	05-38	CE
15.234.08D	05-38	CE
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15.235.07D	05-38	CE
15.235.08	05-38	CE
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15.236.08	05-39	CE
15.236.08D	05-39	CE
15.267.01	05-39	C€
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15.279.90	05-39	CE
15.279.90D	05-39	CE
17.001.00	05-50	CE
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17.001.02	05-50	CE
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17.001.10	05-50	CE
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17.001.13	05-50	CE
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17.006.02	05-55	CE
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17.008.02	05-44	CE
17.008.03	05-44	C€
17.008.04	05-44	CE
17.008.05	05-44	CE
17.008.06	05-44	CE
17.008.08	05-45	CE
17.008.09	05-45	CE
17.008.10	05-45	CE
17.008.11	05-45	CE
17.008.90	05-45	CE
17.010.02	05-54	CE
17.010.03	05-54	CE
17.013.00	05-50	CE
17.013.01	05-50	CE
17.013.02	05-50	CE
17.014.00	05-56	CE
17.014.01	05-56	CE
17.014.02	05-56	CE
17.020.01	05-56	CE
17.020.02	05-56	CE
17.045.00	05-48	CE
17.045.04	05-48	CE
17.045.05	05-48	CE
17.051.01	05-52	CE



¹¹⁻¹⁰ Numerical Index

17.051.02 05-52 C€ 17.051.03 05-52 C€ 17.052.01 05-52 C€ 17.052.02 05-52 C€ 17.052.03 05-52 C€ 17.053.02 05-52 C€ 17.053.03 05-52 C€ 17.053.03 05-52 C€ 17.055.01 05-52 C€ 17.055.02 05-52 C€ 17.055.03 05-52 C€ 17.056.01 05-52 C€ 17.056.02 05-52 C€ 17.056.03 05-52 C€ 17.100.08 05-55 C€ 17.100.09 05-55 C€ 17.100.10 05-55 C€ 17.100.35 05-54 C€ 17.100.39 05-55 C€ 17.100.39 05-54 C€ 17.100.46 05-54 C€ 17.100.61 05-54 C€ 17.100.62 05-54 C€ 17.100.61 05-54 C€ 17.101.62 <t< th=""><th></th></t<>	
17.052.01 05-52 C€ 17.052.02 05-52 C€ 17.052.03 05-52 C€ 17.053.02 05-52 C€ 17.053.03 05-52 C€ 17.053.03 05-52 C€ 17.055.01 05-52 C€ 17.055.02 05-52 C€ 17.055.03 05-52 C€ 17.056.01 05-52 C€ 17.056.02 05-52 C€ 17.056.03 05-52 C€ 17.100.08 05-55 C€ 17.100.09 05-55 C€ 17.100.10 05-55 C€ 17.100.35 05-54 C€ 17.100.39 05-55 C€ 17.100.39 05-54 C€ 17.100.46 05-54 C€ 17.100.60 05-54 C€ 17.100.61 05-54 C€ 17.100.62 05-54 C€ 17.100.62 05-54 C€ 17.101.61 05-54 C€ 17.101.62 <t< th=""><th></th></t<>	
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17.395.03 05-53 CC	
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17.700.40 07-08 C€ 17.700.45 07-08 C€ 19.010.00 04-19 C€ 19.015.00 04-19 C€ 19.015.50 04-19 C€ 19.037.01 04-19 C€ 19.060.00 04-22 C€ 19.061.01 04-22 C€ 19.061.02 04-22 C€ 19.061.03 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.01 09-04 C€ 19.272.02	17.677.16	05-57	CE
17.700.45 07-08 C € 19.010.00 04-19 C € 19.015.00 04-19 C € 19.037.01 04-19 C € 19.060.00 04-22 C € 19.061.01 04-22 C € 19.061.02 04-22 C € 19.061.03 04-22 C € 19.061.03 04-22 C € 19.063.01 04-22 C € 19.063.01 04-22 C € 19.063.01 04-22 C € 19.080.12 04-23 C € 19.080.12 04-23 C € 19.080.12D 04-23 C € 19.080.12D 04-23 C € 19.201.11 04-04 C € 19.202.00 04-04 C € <	17.700.00	07-08	CE
19.010.00 04-19 C€ 19.015.00 04-19 C€ 19.037.01 04-19 C€ 19.060.00 04-22 C€ 19.061.01 04-22 C€ 19.061.02 04-22 C€ 19.061.03 04-22 C€ 19.061.13 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.080.12 04-23 C€ 19.201.21 04-04 C€ 19.201.21 04-04 C€ 19.201.21 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.02 09-04 C€ 19.272.03 <t< th=""><th>17.700.40</th><th>07-08</th><th>CE</th></t<>	17.700.40	07-08	CE
19.015.00 04-19 C€ 19.015.50 04-19 C€ 19.060.00 04-22 C€ 19.061.01 04-22 C€ 19.061.02 04-22 C€ 19.061.03 04-22 C€ 19.061.03 04-22 C€ 19.061.03 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.080.12 04-23 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.272.03 09-04 C€ 19.272.03	17.700.45	07-08	CE
19.015.50 04-19 C€ 19.037.01 04-19 C€ 19.060.00 04-22 C€ 19.061.01 04-22 C€ 19.061.02 04-22 C€ 19.061.03 04-22 C€ 19.061.13 04-22 C€ 19.061.13 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.099.00 04-21 C€ 19.080.12 04-23 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.274.00	19.010.00	04-19	CE
19.037.01 04-19 C€ 19.060.00 04-22 C€ 19.061.01 04-22 C€ 19.061.02 04-22 C€ 19.061.03 04-22 C€ 19.061.13 04-22 C€ 19.061.03 04-22 C€ 19.061.03 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.099.00 04-21 C€ 19.080.12 04-23 C€ 19.080.12M 04-23 C€ 19.080.12M 04-23 C€ 19.201.21 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03	19.015.00	04-19	CE
19.060.00 04-22 C€ 19.061.01 04-22 C€ 19.061.02 04-22 C€ 19.061.03 04-22 C€ 19.061.13 04-22 C€ 19.061.13 04-22 C€ 19.062.00 04-22 C€ 19.063.01 04-22 C€ 19.099.00 04-21 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.274.01 09-03 C€ 19.275.02 09-04 C€ 19.274.13	19.015.50	04-19	CE
19.061.01 04-22 C€ 19.061.02 04-22 C€ 19.061.13 04-22 C€ 19.061.13 04-22 C€ 19.062.00 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.099.00 04-21 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.201.21 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-03 C€ 19.274.01 09-03 C€ 19.274.00 09-03 C€ 19.274.50	19.037.01	04-19	CE
19.061.02 04-22 C€ 19.061.03 04-22 C€ 19.061.13 04-22 C€ 19.062.00 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.099.00 04-19 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.02 09-04 C€ 19.274.03 09-03 C€ 19.275.04	19.060.00	04-22	CE
19.061.03 04-22 C€ 19.061.13 04-22 C€ 19.062.00 04-22 C€ 19.063.01 04-22 C€ 19.063.01 04-22 C€ 19.099.00 04-21 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.080.12M 04-23 C€ 19.080.12M 04-23 C€ 19.201.00 04-04 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.274.01 09-03 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.275.02	19.061.01	04-22	C€
19.061.13 04-22 C€ 19.062.00 04-22 C€ 19.063.01 04-22 C€ 19.099.00 04-21 C€ 19.099.00 04-21 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.201.00 04-04 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.274.01 09-03 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.01 09-03 C€ 19.275.02 09-04 C€ 19.275.04 09-03 C€ 19.275.05	19.061.02	04-22	CE
19.062.00 04-22 C€ 19.063.01 04-22 C€ 19.099.00 04-21 C€ 19.125.00 04-19 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.080.12M 04-23 C€ 19.080.12M 04-23 C€ 19.201.00 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.00 09-03 C€ 19.274.00 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04	19.061.03	04-22	CE
19.063.01 04-22 C€ 19.099.00 04-21 C€ 19.125.00 04-19 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.080.12M 04-23 C€ 19.201.00 04-04 C€ 19.201.21 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.275.01 09-04 C€	19.061.13	04-22	CE
19.099.00 04-21 C€ 19.125.00 04-19 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.080.12M 04-23 C€ 19.080.12M 04-20 C€ 19.200.00 04-04 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.02 09-04 C€ 19.274.03 09-03 C€ 19.275.04 09-04 C€ 19.275.05 09-04 C€ 19.275.04	19.062.00	04-22	C€
19.125.00 04-19 C€ 19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.199.00 04-20 C€ 19.200.00 04-04 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.10 09-04 C€ 19.274.01 09-03 C€ 19.274.00 09-03 C€ 19.274.13 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.05 09-04 C€ 19.275.04	19.063.01	04-22	C€
19.080.12 04-23 C€ 19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.199.00 04-20 C€ 19.200.00 04-04 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.202.00 04-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.273.00 09-04 C€ 19.274.01 09-03 C€ 19.274.00 09-03 C€ 19.274.50 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.275.04	19.099.00	04-21	C€
19.080.12D 04-23 C€ 19.080.12M 04-23 C€ 19.199.00 04-20 C€ 19.200.00 04-04 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.202.00 04-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.02 09-04 C€ 19.274.50 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04	19.125.00	04-19	C€
19.080.12M 04-23 C€ 19.199.00 04-20 C€ 19.200.00 04-04 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.03 09-03 C€ 19.275.00 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ </th <th>19.080.12</th> <th>04-23</th> <th>C€</th>	19.080.12	04-23	C€
19.199.00 04-20 C€ 19.200.00 04-04 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.03 09-04 C€ 19.273.00 09-04 C€ 19.274.01 09-03 C€ 19.274.01 09-03 C€ 19.274.50 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.281.15TC	19.080.12D	04-23	C€
19.200.00 04-04 C€ 19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.270.50 06-11 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.50 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ <th>19.080.12M</th> <th>04-23</th> <th>CE</th>	19.080.12M	04-23	CE
19.201.11 04-04 C€ 19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.270.50 06-11 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.10 09-04 C€ 19.273.00 09-04 C€ 19.274.01 09-03 C€ 19.274.01 09-03 C€ 19.274.50 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.05 09-04 C€ 19.275.04 09-04 C€ 19.275.05 09-04 C€ 19.281.15TC	19.199.00	04-20	CE
19.201.21 04-04 C€ 19.201.31 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.202.00 04-04 C€ 19.270.50 06-11 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.10 09-04 C€ 19.272.10 09-04 C€ 19.273.00 09-04 C€ 19.274.01 09-03 C€ 19.274.13 09-03 C€ 19.274.50 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.281.15TC 04-25 C€ 19.281.15TC 09-02 C€ 19.281.16	19.200.00	04-04	CE
19.201.31 04-04 C€ 19.202.00 04-01 C€ 19.202.00 04-04 C€ 19.270.50 06-11 C€ 19.270.50 09-04 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.03 09-04 C€ 19.274.00 09-04 C€ 19.274.01 09-03 C€ 19.274.13 09-03 C€ 19.274.50 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.279.00 09-05 C€ 19.281.15TC 04-25 C€ 19.281.15TC 09-02 C€ 19.281.16	19.201.11	04-04	CE
19.202.00 04-01 C€ 19.202.00 04-04 C€ 19.270.50 06-11 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.00 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.50 09-03 C€ 19.274.60 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.279.00 09-05 C€ 19.281.15TC 09-02 C€ 19.281.15TC 09-02 C€ 19.281.16	19.201.21	04-04	C€
19.202.00 04-04 C€ 19.270.50 06-11 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.10 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.50 09-03 C€ 19.274.60 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.05 09-04 C€ 19.275.04 09-04 C€ 19.279.00 09-05 C€ 19.281.15TC 04-25 C€ 19.281.15TC 09-02 C€ 19.281.16 09-05 C€ 19.509.10	19.201.31	04-04	C€
19.270.50 06-11 C€ 19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.00 09-04 C€ 19.272.00 09-04 C€ 19.273.00 09-03 C€ 19.274.01 09-03 C€ 19.274.13 09-03 C€ 19.274.60 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.279.00 09-05 C€ 19.281.15TC 04-25 C€ 19.281.15TC 09-02 C€ 19.281.16 09-05 C€ 19.509.10 03-35 C€	19.202.00	04-01	CE
19.272.00 09-04 C€ 19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.03 09-04 C€ 19.272.00 09-04 C€ 19.272.00 09-04 C€ 19.272.00 09-04 C€ 19.273.00 09-03 C€ 19.274.01 09-03 C€ 19.274.03 09-03 C€ 19.274.50 09-03 C€ 19.274.60 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.275.05 C€ 19.281.15TC 19.281.15TC 09-05 C€ 19.281.15TC 09-02 C€ 19.281.16 09-05 C€ 19.509.10 03-35 C€	19.202.00	04-04	C€
19.272.01 09-04 C€ 19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.10 09-04 C€ 19.272.10 09-04 C€ 19.272.10 09-04 C€ 19.273.00 09-04 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.13 09-03 C€ 19.274.60 09-03 C€ 19.275.00 09-04 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.05 09-04 C€ 19.275.04 09-04 C€ 19.275.05 09-04 C€ 19.275.04 09-04 C€ 19.275.02 09-04 C€ 19.281.15TC 04-25 C€ 19.281.15TC 09-02 C€ 19.281.16 09-05 C€ 19.509.10 03-35 C€	19.270.50	06-11	C€
19.272.02 09-04 C€ 19.272.03 09-04 C€ 19.272.10 09-04 C€ 19.273.00 09-04 C€ 19.273.00 09-04 C€ 19.273.00 09-03 C€ 19.274.00 09-03 C€ 19.274.01 09-03 C€ 19.274.13 09-03 C€ 19.274.50 09-03 C€ 19.274.60 09-03 C€ 19.275.01 09-04 C€ 19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.275.04 09-04 C€ 19.279.00 09-05 C€ 19.281.15TC 04-25 C€ 19.281.15TC 09-02 C€ 19.281.16 09-05 C€ 19.509.10 03-35 C€	19.272.00	09-04	CE
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19.275.02 09-04 C€ 19.275.04 09-04 C€ 19.277.01Z 09-01 C€ 19.279.00 09-05 C€ 19.281.15TC 04-25 C€ 19.281.15TC 09-02 C€ 19.281.16 09-05 C€ 19.509.10 03-35 C€			
19.275.04 09-04 C€ 19.277.01Z 09-01 C€ 19.277.01Z 09-05 C€ 19.279.00 09-05 C€ 19.281.15TC 04-25 C€ 19.281.15TC 09-02 C€ 19.281.16 09-05 C€ 19.509.10 03-35 C€	·		
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19.509.20 03-35 CC			
19.512.03 03-37 €			
	19.512.03	03-37	ι

19.512.04	03-37	CE
19.512.06	03-37	CE
19.512.09	03-37	CE
19.512.13	03-37	CE
19.512.14	03-37	CE
19.512.16	03-37	CE
19.512.19	03-37	CE
19.513.03	03-36	CE
19.513.04	03-36	CE
19.513.05	03-36	CE
19.516.00		CE
	03-36	
19.521.00	03-36	CE
19.561.13	03-34	CE
19.572.00	06-44	CE
19.572.12	06-44	CE
19.572.34	06-44	CE
19.600.18	06-44	CE
19.600.25	06-44	CE
19.641.02	06-43	CE
19.641.03	06-43	CE
19.649.15	06-42	CE
19.649.30	06-42	CE
19.649.50	06-42	CE
19.651.13	06-42	CE
19.651.13	07-21	C€
19.651.14	06-42	C€
19.651.14	07-21	CE
19.651.15	06-42	C€
	06-42	CE
19.651.15M	00-42	
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19.651.15M 19.651.30	07-19 06-42	< <€
19.651.15M 19.651.30 19.700.00	07-19 06-42 06-43	CE CE CE
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19.651.15M 19.651.30 19.700.00 19.700.05 19.700.10	07-19 06-42 06-43 06-43 06-43	C € C € C € C € C €
19.651.15M 19.651.30 19.700.00 19.700.05 19.700.10 19.710.18	07-19 06-42 06-43 06-43 06-43 06-43	CE CE CE CE CE
19.651.15M 19.651.30 19.700.00 19.700.05 19.700.10 19.710.18 19.714.01	07-19 06-42 06-43 06-43 06-43 06-43 07-26	C € C € C € C € C € C € C €
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Numerical Index 11-11

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22.100.15	04-22	CE
22.101.15	04-22	CE
22.106.01	06-02	CE
22.107.21	03-34	CE
22.200.12	06-02	CE
22.200.13	06-02	CE
22.200.14	06-02	CE
22,200,15	06-02	CE
22,200,20	06-02	CE
22.230.13	06-02	CE
22.230.14	06-02	CE
22.270.12	06-05	CE
22.272.15	06-04	CE
22.278.12	06-02	CE
22.278.15	06-02	CE
22.279.15	06-02	CE
22.281.15TC	04-25	CE
22.310.12	04-25	CE
22.310.15	06-05	CE
22.400.13	06-03	CE
22.400.13	06-03	CE
22.408.11		CE
22.408.13	06-03	
	06-03	CE
22.408.14	06-03	CE
22.408.16	06-03	CE
22.408.20	06-03	CE
22.416.15	06-05	CE
22.430.17	06-05	CE
22.450.18	06-05	CE
22.480.12	06-03	CE
22.480.15	06-03	CE
22.481.12	06-03	CE
22.481.15	06-03	<€
22.486.12	06-05	CE
22.486.15	06-05	CE
22.488.12	06-04	CE
22.488.15	06-04	CE
22.488.20	06-05	CE
22.489.00	06-04	CE
22.489.00M	06-04	CE
22.489.00M	08-11	CE
22.489.01	06-04	CE
22.523.13	03-35	CE
22.523.13	04-25	CE
22.523.90D	03-35	CE
22.523.90D	04-25	CE
22.810.17	08-07	CE
22.810.17	08-11	CE
22.810.17	08-13	CE
22.810.17D	08-07	CE
22.811.17	08-07	CE
22.811.17D	08-07	CE

22.812.17	08-08	CE
22.814.17	08-08	CE
22.815.17	08-07	CE
22.816.17	08-07	CE
22.820.17	08-08	CE
22.820.17D	08-08	CE
22.820.17TC	08-08	C€
22.821.17	08-08	C€
22.821.17D	08-08	CE
22.824.17	06-03	CE
22.830.17	08-02	CE
23.050.10	06-07	C€
23.051.10	06-07	CE
23.054.12	06-07	CE
23.055.12	06-07	C€
23.058.12	06-07	C€
23.059.12	06-07	C€
23.060.12	06-07	C€
23.061.12	06-07	C€
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23.063.12	06-07	C€
23.098.14	06-06	C€
23.099.14	06-06	CE
23.104.14	06-07	CE
23.105.14	06-07	C€
23.106.14	06-07	CE
23.106.16	06-07	C€
23.106.18	06-07	CE
23.107.14	06-07	CE
23.107.16	06-07	C€
23.107.18	06-07	C€
22.120.12	04-24	C€
23.705.09	06-07	C€
23.709.11	06-06	CE
23.740.20	06-06	CE
23.741.20	06-06	C€
23.781.15	06-06	C€
23.782.15	06-06	C€
24.058.01	06-47	C€
24.058.02	06-47	C€
24.058.03	06-47	C€
24.058.04	06-47	C€
24.058.10	06-47	CE
24.061.22	02-04	C€
24.061.24	02-04	CE
24.062.24	02-04	CE
24.062.24.	02-04	C€
24.062.30	02-06	C€
24.062.31	02-06	C€
24.067.22	02-04	C€
24.067.24	02-04	C€
24.070.22	02-04	C€

24.070.24 02-04 C€ 24.071.22 02-04 C€ 24.071.24 02-04 C€ 24.072.22 02-04 C€ 24.074.13 03-35 C€ 24.074.15 03-35 C€ 24.074.16 03-35 C€ 24.075.22 02-04 C€ 24.075.24 02-03 C€ 24.086.01 02-03 C€ 24.087.00 02-03 C€ 24.089.02 02-03 C€ 24.089.02 02-03 C€ 24.089.02 02-05 C€ 24.089.02 02-05 C€ 24.099.03 02-05 C€ 24.099.04 02-05 C€ 24.099.25 02-05 C€ 24.101.08 02-07 C€ 24.101.08 02-07 C€ 24.101.03 02-07 C€ 24.102.03A 02-07 C€ 24.102.03 02-07 C€ 24.102.03 02-07 C€ 24.102.03 <			
24.071.24 02-04 C€ 24.072.22 02-04 C€ 24.074.13 03-35 C€ 24.074.15 03-35 C€ 24.074.16 03-35 C€ 24.075.22 02-04 C€ 24.075.24 02-03 C€ 24.080.01 02-03 C€ 24.086.01 02-03 C€ 24.087.02 08-11 C€ 24.089.02 02-03 C€ 24.099.08 02-05 C€ 24.099.09 02-05 C€ 24.099.09 02-05 C€ 24.099.09 02-07 C€ 24.099.23 02-07 C€ 24.101.08 02-07 C€ 24.101.09 02-07 C€ <th>24.070.24</th> <th>02-04</th> <th>CE</th>	24.070.24	02-04	CE
24.072.22 02-04 C € 24.074.13 03-35 C € 24.074.15 03-35 C € 24.074.16 03-35 C € 24.074.17 03-35 C € 24.075.22 02-04 C € 24.075.24 02-03 C € 24.080.01 02-03 C € 24.086.01 02-03 C € 24.087.00 02-03 C € 24.089.02 02-03 C € 24.089.02 02-03 C € 24.089.02 02-05 C € 24.099.08 02-05 C € 24.099.09 02-05 C € 24.099.17 02-05 C € 24.099.23 02-07 C € 24.101.08 02-07 C € 24.101.09 02-07 C € 24.101.17 02-07 C € 24.101.23 02-07 C € 24.102.08 02-07 C € 24.102.17 02-07	24.071.22	02-04	C€
24.074.13 03-35 C € 24.074.15 03-35 C € 24.074.16 03-35 C € 24.074.17 03-35 C € 24.075.22 02-04 C € 24.075.24 02-03 C € 24.080.01 02-03 C € 24.087.00 02-03 C € 24.089.02 02-05 C € 24.089.02 02-05 C € 24.099.03 02-05 C € 24.099.17 02-05 C € 24.101.08 02-07 C € 24.101.09 02-07 C € 24.101.08 02-07 C € 24.102.03A 02-07 C € 24.102.03 02-07 C € 24.102.03 02-07 C € 24.102.03 02-07	24.071.24	02-04	CE
24.074.15 03-35 C € 24.074.16 03-35 C € 24.074.17 03-35 C € 24.075.22 02-04 C € 24.075.24 02-03 C € 24.080.01 02-03 C € 24.086.01 02-03 C € 24.087.00 02-03 C € 24.089.02 08-11 C € 24.089.02 02-03 C € 24.089.02 02-05 C € 24.099.08 02-05 C € 24.099.09 02-05 C € 24.099.17 02-05 C € 24.099.23 02-07 C € 24.101.08 02-07 C € 24.101.09 02-07 C € 24.102.03A 02-07 C € 24.102.03 02-07 C € <t< th=""><th>24.072.22</th><th>02-04</th><th>CE</th></t<>	24.072.22	02-04	CE
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24.074.17 03-35 C € 24.075.22 02-04 C € 24.075.24 02-03 C € 24.080.01 02-03 C € 24.086.01 02-03 C € 24.087.00 02-03 C € 24.087.02 08-11 C € 24.089.02 02-03 C € 24.089.02 02-05 C € 24.099.08 02-05 C € 24.099.09 02-05 C € 24.099.17 02-05 C € 24.099.23 02-07 C € 24.101.08 02-07 C € 24.101.09 02-07 C € 24.102.03A 02-07 C € 24.102.03A 02-07 C € 24.102.03 02-07 C € <	24.074.15	03-35	C€
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24.203.05G 03-13 C€ 24.203.05G 03-14 C€ 24.204.11G 03-10 C€ 24.204.11G 03-13 C€ 24.204.11G 03-15 C€ 24.204.11G 03-15 C€ 24.204.11GM5 03-11 C€ 24.204.11GM5 03-11 C€ 24.204.11GM5-TI 03-15 C€ 24.204.11GM5-TI 03-10 C€ 24.204.15G 03-15 C€	24.202.03G	03-14	CE
24.203.05G 03-14 C€ 24.204.11G 03-10 C€ 24.204.11G 03-13 C€ 24.204.11G 03-15 C€ 24.204.11G 03-15 C€ 24.204.11G 03-15 C€ 24.204.11GM5 03-11 C€ 24.204.11GM5-TI 03-19 C€ 24.204.11GM5-TI 03-15 C€ 24.204.15G 03-15 C€	24.203.05G	03-10	C€
24.204.11G 03-10 C€ 24.204.11G 03-13 C€ 24.204.11G 03-15 C€ 24.204.11GM5 03-11 C€ 24.204.11GM5-TI 03-19 C€ 24.204.11GM5-TI 03-19 C€ 24.204.15G 03-15 C€ 24.205.07G 03-10 C€	24.203.05G	03-13	CE
24.204.11G 03-13 C€ 24.204.11G 03-15 C€ 24.204.11GM5 03-11 C€ 24.204.11GM5-TI 03-19 C€ 24.204.11GM5-TI 03-19 C€ 24.204.15G 03-15 C€ 24.205.07G 03-10 C€		03-14	CE
24.204.11G 03-15 C€ 24.204.11GM5 03-11 C€ 24.204.11GM5-TI 03-19 C€ 24.204.11GM5-TI 03-15 C€ 24.204.15G 03-15 C€ 24.205.07G 03-10 C€			
24.204.11GM5 03-11 C€ 24.204.11GM5-TI 03-19 C€ 24.204.15G 03-15 C€ 24.205.07G 03-10 C€			
24.204.11GM5-TI 03-19 C€ 24.204.15G 03-15 C€ 24.205.07G 03-10 C€			
24.204.15G 03-15 C € 24.205.07G 03-10 C €			
24.205.07G 03-10 CC			
24.203.07G 03-13 CE			
	24.203.07G	03-13	נפ



¹¹⁻¹² Numerical Index

24.205.07G	03-14	CE
24.205.07GM5	03-11	CE
24.205.07GM5-TI	03-19	CE
24.206.09G	03-14	CE
24.207.02C	03-16	CE
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	00 10	



¹¹⁻¹⁴ Numerical Index

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38.427.01	06-18	CE
38.427.02	06-18	CE
38.427.22	06-17	CE
38.428.01	06-16	CE
38.428.02	06-16	(E
38.428.03	06-16	CE CC
38.428.04 38.428.05	06-16 06-16	< <€
38.428.06	06-16	CE
38.428.22	06-16	CE
38.430.01	06-15	CE
38.430.02	06-15	CE
38.430.03	06-15	CE
38.430.04	06-15	CE
38.430.05	06-15	CE
38.430.06	06-15	CE
38.438.01	06-17	CE
38.438.02	06-17	CE
38.438.03	06-17	CE
38.438.04	06-17	CE
38.438.05	06-17	CE
38.438.06	06-17	CE
38.438.07	06-17	CE
38.445.02	06-18	CE
38.445.03	06-18	CE
38.445.04	06-18	CE
38.445.05	06-18	C€



All CE marked products according to the Medical Device Directive 93/42/EEC CE K2016-12/1-E are mentioned in the index from page 11-07. ¹¹⁻¹⁶ Numerical Index

38.445.06	06-18	CE
38.445.07	06-18	C€
38.448.50	06-19	CE
38.452.00	06-12	CE
38.465.15	06-12	CE
38.467.08	06-12	CE
38.467.10	06-12	CE
38.471.15	06-13	CE
38.473.15	06-13	CE
41.010.17TC	08-06	CE
41.010.17TC-M	08-05	CE
41.011.17TC	08-06	CE
41.015.17	08-06	CE
41.015.17	08-10	CE
41.017.17	08-02	CE
41.200.15TC	08-02	CE
41.200.15TC 41.200.17TC		CE
41.200.17TC 41.200.17TC	08-05	CE
	08-05	
41.200.17TC-K	08-04	CE
41.200.17TC-K	08-13	CE
41.201.15TC	08-05	CE
41.201.15TC	08-05	CE
41.201.17TC	08-05	CE
41.201.17TC-K	08-04	CE
41.240.12	06-41	C€
41.246.15TC	06-40	CE
41.250.15	06-41	C€
41.252.15TC	06-41	CE
41.252.15TC	08-10	CE
41.252.18TC	06-41	CE
41.256.14	06-40	CE
41.256.16	06-40	CE
41.256.18	06-40	CE
41.258.14TC	06-40	CE
41.258.16TC	06-40	CE
41.258.18TC	06-40	CE
41.262.14	06-39	CE
41.262.17	06-39	CE
41.264.14	06-39	CE
41.264.17	06-39	CE
41.310.14TC	06-39	CE
41.310.17TC		
	06-39	CE
41.317.17TC	06-39	CE
41.318.17TC	06-39	CE
41.352.15TC	06-41	CE
41.362.12	06-41	CE
41.368.16	06-39	CE
41.368.18	06-39	CE
41.369.16	06-39	CE
41.369.18	06-39	CE
41.500.17	06-48	CE
41.500.17M	06-48	CE

41.501.01	06-48	C€
41.501.01	07-05	C€
41.503.00	06-48	C€
41.503.01	06-48	CE
41.506.17	06-48	C€
41.540.02WM	05-58	C€
41.540.03WM	05-58	CE
41.540.04WM	05-58	CE
41.540.05WM	05-58	CE
41.541.02WM	05-58	CE
41.541.03WM	05-58	CE
41.541.04WM	05-58	CE
41.541.05WM	05-58	CE
41.822.01	07-20	CE
41.822.02	07-20	C€
41.822.03	07-20	C€
41.822.04	07-20	C€
41.822.05	07-21	CE
41.822.11	07-21	CE
41.822.22	07-21	CE
41.822.33	07-21	CE
41.834.11	05-48	CE
41.845.11	06-20	CE
41.845.22	06-20	CE
41.845.33	06-20	CE
41.846.11	06-20	CE
41.846.22	06-20	CE
41.846.33	06-20	CE
41.847.00	07-17	C€
41.847.00	07-18	CE
41.847.01	07-18	CE
41.847.02	07-18	CE
41.847.03	07-18	CE
41.847.05	07-18	CE
41.847.08	07-18	CE
41.847.09	07-18	CE
41.847.10	07-18	CE
41.848.01	07-16	C€
41.848.02	07-16	CE
41.848.03	07-16	C€
41.848.05	07-16	C€
41.848.08	07-16	C€
41.848.08	08-10	CE
41.848.51	07-15	CE
41.848.52	07-15	C€
41.848.53	07-15	C€
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41.855.00ZS	06-20	C€
41.855.01Z	05-46	C€
41.855.01Z	06-20	C€
41.855.01 ZS	06-20	C€
41.855.02Z	06-20	CE

44 055 0070	00.00	
41.855.03ZS	06-20	CE
41.855.04Z	06-20	CE
41.862.11	06-22	CE
41.862.12	06-22	CE
41.862.13	06-22	CE
41.862.14	06-24	CE
41.862.21	06-23	CE
41.864.01	06-21	CE
41.864.02	06-21	CE
41.864.13	06-22	CE
41.864.13	08-13	CE
41.864.20	06-32	CE
41.864.30	06-24	CE
41.864.40	06-24	C€
41.864.50	06-24	CE
41.864.60	06-22	CE
41.868.01	07-22	CE
41.868.02	07-22	CE
41.868.03	07-22	ce
41.868.04	07-22	CE
41.868.05	07-23	CE
41.868.06	07-23	CE
41.868.07	07-15	CE
41.868.07	07-19	CE
41.868.07	07-21	CE
41.868.07	07-23	CE
41.868.08	07-23	CE
41.868.08M	07-19	CE
41.868.09	07-19	CE
41.874.04	06-21	CE
41.874.14	06-21	CE
41.874.16	06-21	CE
41.877.23	06-21	CE
41.878.11	06-23	CE
		CE
41.878.12	06-23	
41.878.13 41.878.14	06-23	C€
41.881.01	06-45	(E
41.881.02	06-45	(E
41.888.16	06-22	CE
41.905.00	06-46	<c< th=""></c<>
41.914.16	06-46	<€
41.916.15	06-46	CE
41.917.15	06-46	CE
42.315.16	06-24	CE
42.315.16S	06-24	CE
42.316.15	06-24	CE
42.320.14	06-25	CE
42.320.15	06-25	CE
42.321.90	06-25	CE
42.324.15	06-25	C€
42.326.15	06-25	CE



Numerical Index 11-17 F1

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42.328.15 06-25 C€ 42.332.14 06-25 C€ 42.338.17 06-25 C€ 42.338.15 06-25 C€ 42.338.15 06-25 C€ 42.360.15 06-25 C€ 42.362.15 06-27 C€ 42.300.1 06-28 C€ 42.404.16 06-27 C€ 42.406.14 06-27 C€ 42.406.14 06-27 C€ 42.406.15 06-27 C€ 42.620.18 06-27 C€ 42.620.18 06-27 C€ 42.641.15 06-27 C€ 42.650.18 06-26 C€ 42.651.18 06-26 C€ 42.652.18 06-30 C€ 46.007.00 08-11 C€ 46.007.02 06-32 C€ 46.007.03 06-32 C€ 46.007.04 06-32 C€ 46.007.05 06-32 C€ 46.007.30 06-32 C€ 46.007.31 <td< th=""><th></th><th></th><th></th></td<>			
42.334.17 06-25 C € 42.338.17 06-26 C € 42.358.15 06-25 C € 42.360.15 06-25 C € 42.362.15 06-27 C € 42.380.01 06-27 C € 42.404.16 06-27 C € 42.406.14 06-27 C € 42.406.14 06-27 C € 42.412.15 06-27 C € 42.620.18 06-27 C € 42.646.15 06-27 C € 42.650.18 06-26 C € 42.650.18 06-26 C € 42.650.18 06-26 C € 42.650.18 06-26 C € 46.005.65 06-30 C € 46.007.00 08-11 C € 46.007.01 06-32 C € 46.007.02 06-32 C € 46.007.30 06-32 C € 46.007.40 06-30 C € 46.007.45 06-30 C € 46.007.45 06-30 C € <td< th=""><th>42.328.15</th><th>06-25</th><th>C€</th></td<>	42.328.15	06-25	C€
42.338.17 06-26 C € 42.358.15 06-25 C € 42.360.15 06-25 C € 42.380.01 06-28 C € 42.380.01 06-27 C € 42.404.16 06-27 C € 42.406.14 06-27 C € 42.406.14 06-27 C € 42.412.15 06-27 C € 42.620.18 06-27 C € 42.621.18 06-27 C € 42.647.15 06-27 C € 42.652.18 06-26 C € 42.652.18 06-26 C € 42.652.18 06-26 C € 42.652.18 06-26 C € 46.005.65 06-30 C € 46.007.00 08-11 C € 46.007.01 06-32 C € 46.007.02 06-32 C € 46.007.30 06-32 C € 46.007.30 06-32 C € 46.007.45 06-30 C € 46.007.45 06-31 C € <td< th=""><th>42.332.14</th><th>06-25</th><th>C€</th></td<>	42.332.14	06-25	C€
42.338.17 06-26 C € 42.358.15 06-25 C € 42.360.15 06-25 C € 42.362.15 06-27 C € 42.380.01 06-27 C € 42.404.16 06-27 C € 42.406.14 06-27 C € 42.406.14 06-27 C € 42.412.15 06-27 C € 42.620.18 06-27 C € 42.621.18 06-27 C € 42.647.15 06-27 C € 42.652.18 06-26 C € 42.652.18 06-26 C € 42.652.18 06-26 C € 42.652.18 06-26 C € 46.005.65 06-30 C € 46.007.00 08-11 C € 46.007.01 06-32 C € 46.007.02 06-32 C € 46.007.30 06-32 C € 46.007.40 06-30 C € 46.007.45 06-31 C € 46.007.45 06-31 C € <td< th=""><th>42.334.17</th><th>06-25</th><th>CE</th></td<>	42.334.17	06-25	CE
42.360.15 06-25 C€ 42.362.15 06-25 C€ 42.380.01 06-28 C€ 42.404.16 06-27 C€ 42.406.14 06-27 C€ 42.406.14 06-27 C€ 42.412.15 06-27 C€ 42.620.18 06-27 C€ 42.620.18 06-27 C€ 42.646.15 06-27 C€ 42.650.18 06-26 C€ 42.650.18 06-26 C€ 42.650.18 06-26 C€ 42.650.18 06-26 C€ 46.005.65 06-30 C€ 46.007.00 08-11 C€ 46.007.01 06-30 C€ 46.007.02 06-32 C€ 46.007.30 06-32 C€ 46.007.31 06-32 C€ 46.007.40 06-32 C€ 46.007.40 06-32 C€ 46.007.40 06-32 C€ 46.007.45 06-31 C€ 46.007.45 <t< th=""><th>42.338.17</th><th></th><th>CE</th></t<>	42.338.17		CE
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42.412.15 06-27 C€ 42.413.15 06-27 C€ 42.620.18 06-27 C€ 42.620.18 06-27 C€ 42.621.18 06-27 C€ 42.646.15 06-27 C€ 42.646.15 06-27 C€ 42.647.15 06-27 C€ 42.650.18 06-26 C€ 42.652.18 06-26 C€ 42.654.18 06-26 C€ 46.005.65 06-30 C€ 46.007.00 08-31 C€ 46.007.01 06-30 C€ 46.007.02 06-32 C€ 46.007.10 06-32 C€ 46.007.30 06-32 C€ 46.007.40 06-30 C€ 46.007.40 06-30 C€ 46.007.40 06-32 C€ 46.007.40 06-32 C€ 46.007.50 06-32 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-31 C€ 46.013.00Z			
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42.620.18 06-27 C€ 42.621.18 06-27 C€ 42.646.15 06-27 C€ 42.646.15 06-27 C€ 42.650.18 06-26 C€ 42.652.18 06-26 C€ 42.654.18 06-26 C€ 42.654.18 06-26 C€ 42.654.18 06-30 C€ 46.005.65 06-30 C€ 46.007.00 08-31 C€ 46.007.01 06-30 C€ 46.007.02 06-32 C€ 46.007.10 06-32 C€ 46.007.30 06-32 C€ 46.007.40 06-30 C€ 46.007.40 06-30 C€ 46.007.40 06-32 C€ 46.007.45 06-30 C€ 46.007.50 06-32 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-31 C€ 46.013.05 08-31 C€ 46.013.05			
42.621.18 06-27 C€ 42.646.15 06-27 C€ 42.647.15 06-27 C€ 42.650.18 06-26 C€ 42.652.18 06-26 C€ 42.654.18 06-26 C€ 42.654.18 06-26 C€ 42.654.18 06-26 C€ 46.005.65 06-30 C€ 46.007.00 08-31 C€ 46.007.01 06-30 C€ 46.007.02 06-32 C€ 46.007.05 06-32 C€ 46.007.10 06-32 C€ 46.007.20 06-32 C€ 46.007.30 06-32 C€ 46.007.40 06-30 C€ 46.007.40 06-32 C€ 46.007.45 06-30 C€ 46.007.40 06-31 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-31 C€ 46.013.05 08-31 C€ 46.013.05			
42.646.15 06-27 C€ 42.647.15 06-27 C€ 42.650.18 06-26 C€ 42.652.18 06-26 C€ 42.652.18 06-26 C€ 42.654.18 06-26 C€ 46.005.65 06-30 C€ 46.007.00 08-31 C€ 46.007.00 08-11 C€ 46.007.01 06-30 C€ 46.007.02 06-29 C€ 46.007.05 06-32 C€ 46.007.30 06-32 C€ 46.007.30 06-32 C€ 46.007.31 06-32 C€ 46.007.40 06-30 C€ 46.007.40 06-30 C€ 46.007.40 06-32 C€ 46.007.40 06-31 C€ 46.007.50 06-32 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-31 C€ 46.013.05 06-31 C€ 46.013.05			
42.647.15 06-27 C€ 42.650.18 06-26 C€ 42.652.18 06-26 C€ 42.654.18 06-26 C€ 46.005.65 06-30 C€ 46.007.00 06-31 C€ 46.007.00 08-11 C€ 46.007.01 06-30 C€ 46.007.02 06-32 C€ 46.007.05 06-32 C€ 46.007.10 06-32 C€ 46.007.30 06-32 C€ 46.007.30 06-32 C€ 46.007.40 06-30 C€ 46.007.40 06-30 C€ 46.007.45 06-32 C€ 46.007.50 06-32 C€ 46.007.50 06-32 C€ 46.013.00Z 08-11 C€ 46.013.00Z 08-11 C€ 46.013.00Z 08-12 C€ 46.013.05 06-31 C€ 46.013.05 06-31 C€ 46.013.05 06-31 C€ 46.014.10			
42.650.18 06-26 C€ 42.652.18 06-26 C€ 42.654.18 06-26 C€ 46.005.65 06-30 C€ 46.007.00 06-31 C€ 46.007.00 06-30 C€ 46.007.00 08-11 C€ 46.007.01 06-30 C€ 46.007.02 06-32 C€ 46.007.05 06-32 C€ 46.007.10 06-32 C€ 46.007.30 06-32 C€ 46.007.30 06-32 C€ 46.007.40 06-32 C€ 46.007.40 06-32 C€ 46.007.45 06-30 C€ 46.007.50 06-32 C€ 46.013.00Z 08-11 C€ 46.013.00Z 08-11 C€ 46.013.00Z 08-13 C€ 46.013.05 06-31 C€ 46.013.05 08-12 C€ 46.013.05 08-12 C€ 46.014.10 06-30 C€* 46.014.12			
42.652.18 06-26 C€ 42.654.18 06-26 C€ 46.005.65 06-30 C€ 46.005.70 06-31 C€ 46.007.00 08-31 C€ 46.007.00 08-30 C€ 46.007.01 06-30 C€ 46.007.02 06-30 C€ 46.007.05 06-32 C€ 46.007.10 06-32 C€ 46.007.30 06-32 C€ 46.007.31 06-32 C€ 46.007.40 06-30 C€ 46.007.45 06-30 C€ 46.007.40 06-32 C€ 46.007.45 06-30 C€ 46.007.45 06-30 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-12 C€ 46.013.00Z 08-12 C€ 46.013.05 08-12 C€ 46.013.05 08-12 C€ 46.013.05 08-30 C€* 46.014.10 06-30 C€* 46.014.12			
42.654.18 06-26 C€ 46.005.65 06-30 C€ 46.007.00 06-31 C€ 46.007.00 08-11 C€ 46.007.00 08-11 C€ 46.007.00 08-11 C€ 46.007.01 06-30 C€ 46.007.02 06-29 C€ 46.007.05 06-32 C€ 46.007.10 06-32 C€ 46.007.20 06-32 C€ 46.007.30 06-32 C€ 46.007.40 06-30 C€ 46.007.40 06-30 C€ 46.007.40 06-30 C€ 46.007.50 06-32 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-12 C€ 46.013.05 08-12 C€ 46.013.05 08-12 C€ 46.013.05 08-30 C€* 46.013.05 08-30 C€* 46.014.10 06-30 C€* 46.014.12			
46.005.65 06-30 C€ 46.005.70 06-31 C€ 46.007.00 06-30 C€ 46.007.00 08-11 C€ 46.007.01 06-30 C€ 46.007.02 06-32 C€ 46.007.05 06-32 C€ 46.007.05 06-32 C€ 46.007.05 06-32 C€ 46.007.10 06-32 C€ 46.007.30 06-32 C€ 46.007.30 06-32 C€ 46.007.40 06-30 C€ 46.007.45 06-30 C€ 46.007.50 06-32 C€ 46.007.50 06-32 C€ 46.013.00Z 08-31 C€ 46.013.00Z 08-11 C€ 46.013.00Z 08-12 C€ 46.013.00Z 08-13 C€ 46.013.05 06-31 C€ 46.013.05 08-12 C€ 46.013.05 06-31 C€ 46.014.10 06-30 C€* 46.014.12			
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¹¹⁻¹⁸ Numerical Index

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65.894.00	10-10	C€*
65.894.04	10-10	CE*
65.895.00	10-11	CE*
65.895.04	10-11	CE*
85.070.01	07-12	CE
85.070.05	07-12	CE
85.140.00	10-08	CE
85.142.10	10-08	C€
85.142.20	10-08	CE
85.145.00	10-08	CE
85.150.00	10-08	CE
85.180.00	07-05	CE
85.180.00	08-13	C€
85.180.00	10-02	C€
85.180.03	10-02	CE
	-	

85.180.04	10-02	CE
85.180.05	10-02	CE
85.180.10	10-02	CE
85.181.00	10-02	CE
85.181.03	10-03	CE
85.181.04	10-03	CE
85.181.05	10-03	CE
85.181.09	10-05	CE
85.182.00	10-03	CE
85.182.03	10-02	CE
85.182.04	10-05	CE
85.182.05		CE
	10-05	
85.182.08	10-05	CE
85.182.50	07-02	CE
85.183.40	10-08	CE
85.183.41	10-08	CE
85.183.42	10-08	CE
85.183.43	10-08	CE
85.183.44	10-08	CE
85.183.45	10-08	CE
85.183.46	10-08	CE
85.183.47	10-08	CE
85.183.48	10-08	CE
85.183.49	10-08	C€
85.190.10	07-23	C€
85.192.50	10-03	CE
85.194.00	10-03	C€
85.194.10	05-04	C€
85.194.50	10-03	CE
85.195.00	05-04	CE
85.195.00	10-03	CE
85.251.00	10-08	C€
85.251.03	07-19	CE
85.251.03	07-23	CE
85.251.03	10-08	CE
85.251.04	07-11	CE
85.251.04	07-25	C€
85.251.04	10-08	C€
85.251.14	07-21	CE
85.252.25	08-10	CE
85.252.25	10-08	CE
85.255.00	07-25	CE
85.255.02	07-02	CE
85.255.02	07-24	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		CE
	10-07	CE
85.312.07 85.312.08	10-07	CE
03.312.00	10-07	



K2016-12/1-E C C E All CE marked products according to the Medical Device Directive 93/42/EEC are mentioned in the index from page 11-07.

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10-07	CE
10-07	CE
10-07	CE
10-07	C€
10-07	C€
10-07	C€
10-07	CE
10-07	CE
10-07	CE
10-08	C€
10-11	CE
10-11	CE
10-11	CE
	10-07 10-07 10-07 10-07 10-07 10-07 10-07 10-07 10-08 10-11 10-11



11-20 Index

+49 (0) 74 64 / 98 88 0

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





