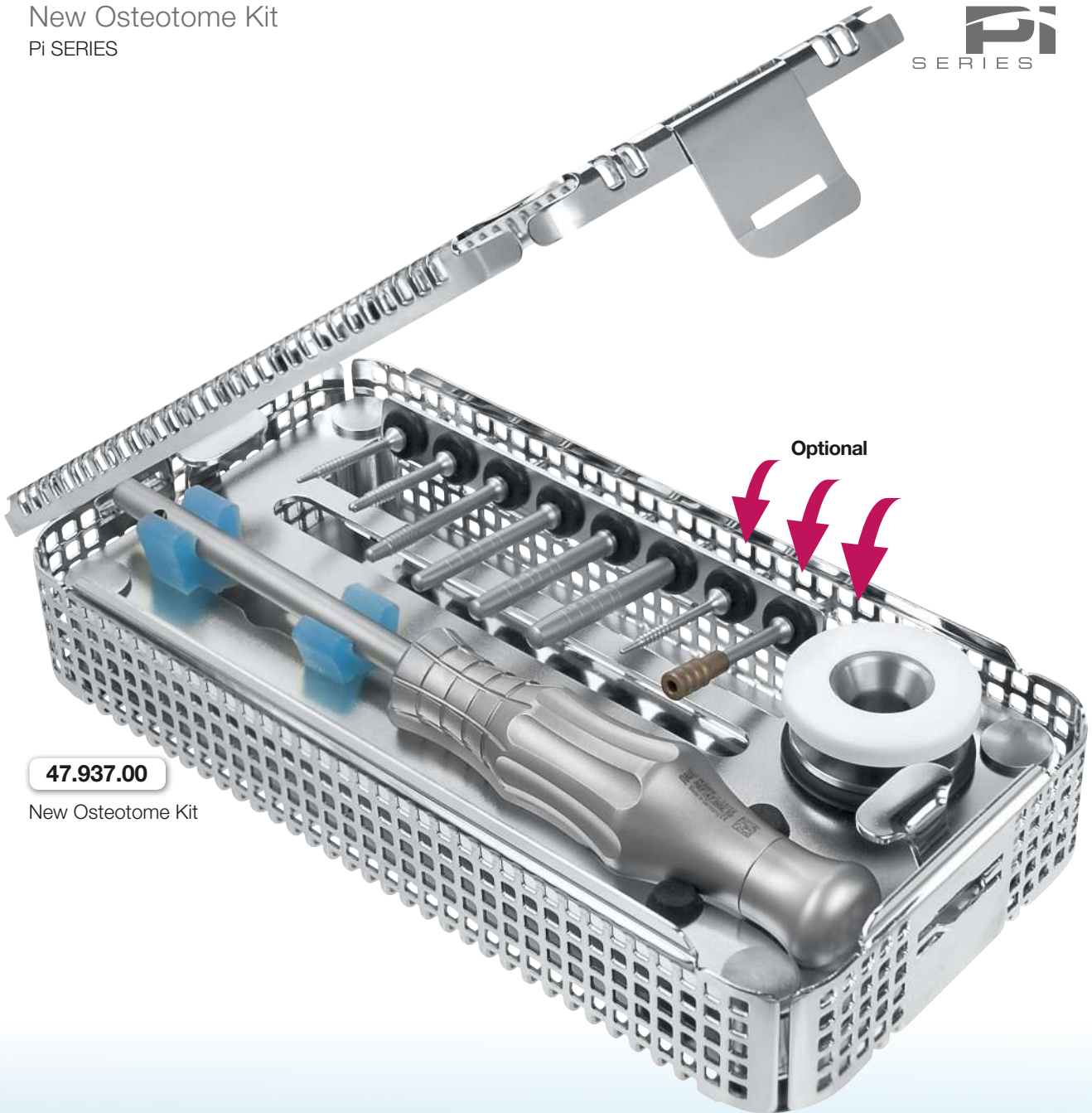


New Osteotome Kit  
PI SERIES



**47.937.00**

New Osteotome Kit



Content: New Osteotome Kit  
PI SERIES



Screw-Osteotome Inserts  
RA-Hex connection with shock absorption



**47.937.10**

Ø shank 2.7 mm,  
Ø tip 2.0 mm



**47.937.11**

Ø shank 3.2 mm,  
Ø tip 2.7 mm

New Osteotome Inserts  
RA-Hex connection with shock absorption,  
graduation 7/10/13/15/18/20 mm



**47.937.12**

Ø shank 3.7 mm,  
Ø tip 3.2 mm



**47.937.13**

Ø shank 4.2 mm,  
Ø tip 3.7 mm



**47.937.14**

Ø shank 5.0 mm,  
Ø tip 4.2 mm



**47.502.10**

Screwdriver Handle with extension,  
RA-Hex connection with shock absorption,  
for screwing and hammering application

Without illustration

**85.182.50**

1/3 Washtray System

**47.937.01**

Tray for New Osteotome Kit

Optional Accessories

not included in the set



**47.937.05**

Ø shank 5.0 mm,  
Ø tip 4.2 mm



**47.950.03**

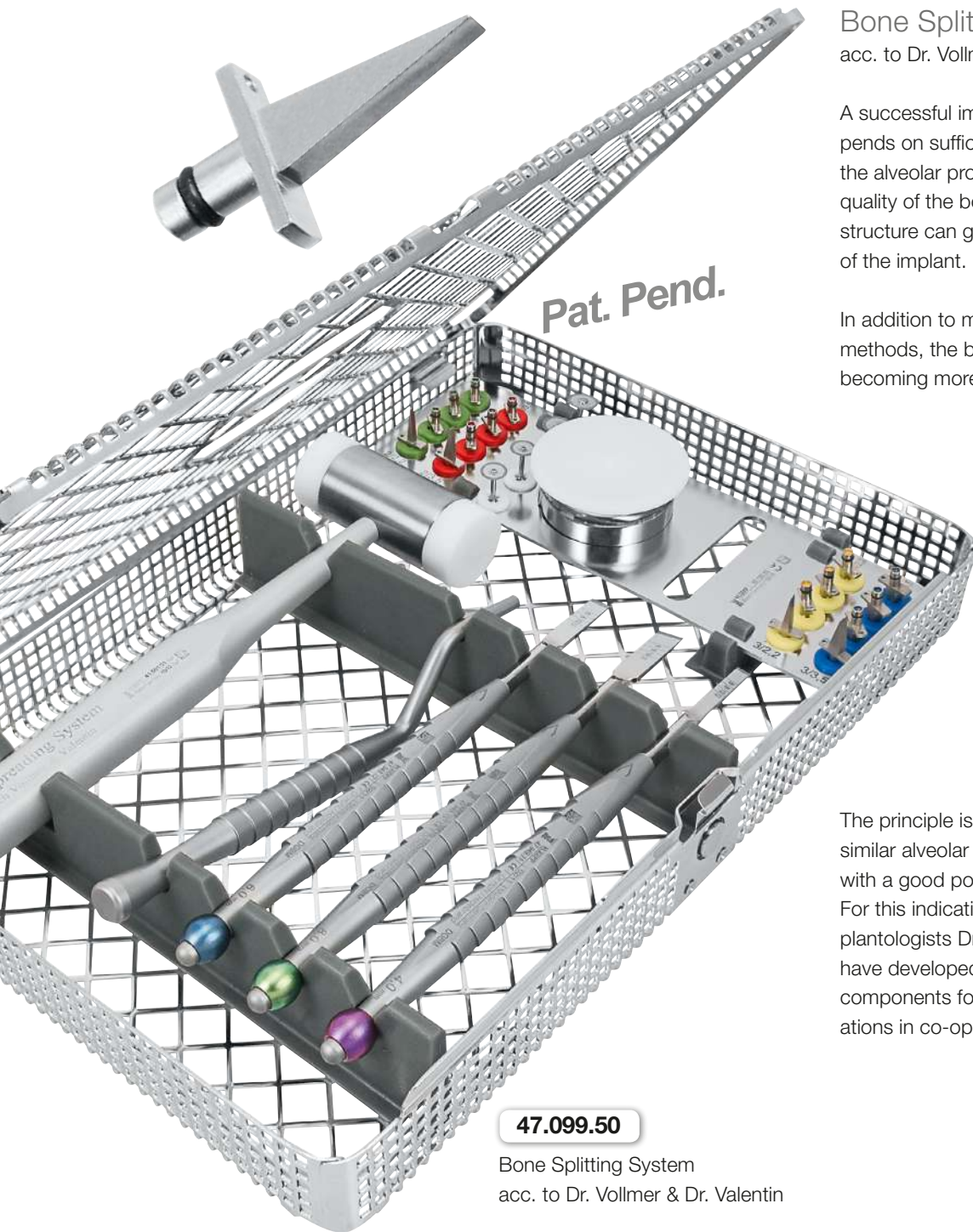
Pin Applicator, short,  
to apply titanium pins



**85.255.02**

Storage Box  
for 10 titanium pins





## Bone Splitting System acc. to Dr. Vollmer & Dr. Valentin

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

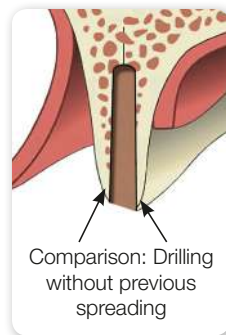
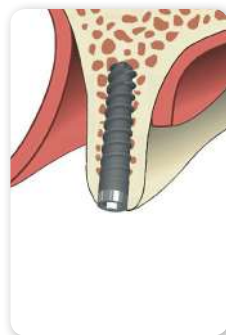
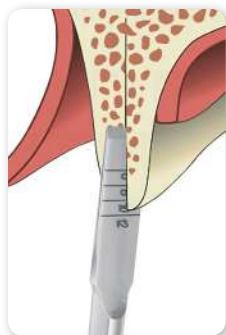
In addition to modern augmentation methods, the bone splitting technique is becoming more and more important.



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

**47.099.50**

Bone Splitting System  
acc. to Dr. Vollmer & Dr. Valentin



## Bone Splitting System *Pat. Pend.*

acc. to 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-implantary wedges, the remaining gaps can be filled with augmentation material in order to allow an augmentation and, in opportune cases, an immediate and simultaneous implantation.

**47.949.11** Pointed Chisel 4 mm



**47.949.12** Pointed Chisel 6 mm



**47.949.13** Pointed Chisel 8 mm



### Hammer



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

### Separating Discs



**47.099.08**  
Separating Disc Ø 8 mm



**47.099.10**  
Separating Disc Ø 10 mm

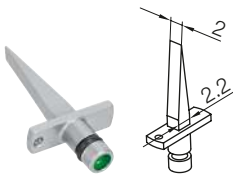
### Wedge Applicator



**47.099.20** Wedge Applicator

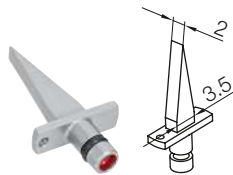


### Inter-Implantary Wedges



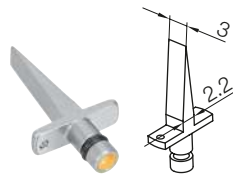
**47.099.31**

Wedge 2 mm /  
2.2 mm, green



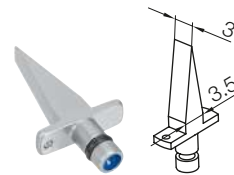
**47.099.32**

Wedge 2 mm /  
3.5 mm, red



**47.099.33**

Wedge 3 mm /  
2.2 mm, yellow



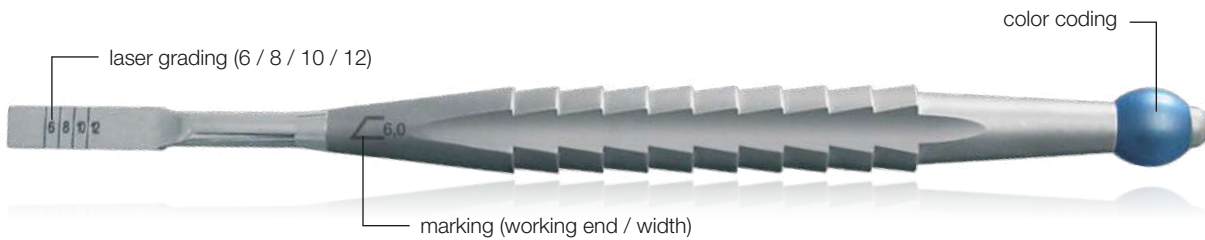
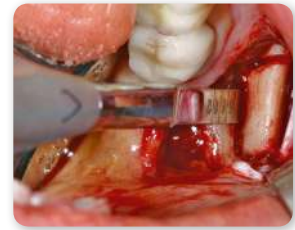
**47.099.34**

Wedge 3 mm /  
3.5 mm, blue

## Bone Fitting Set

acc. to Dr. Hohl & Dr. Hildebrand



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






**47.949.95**

**Bone Fitting Set:**



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

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

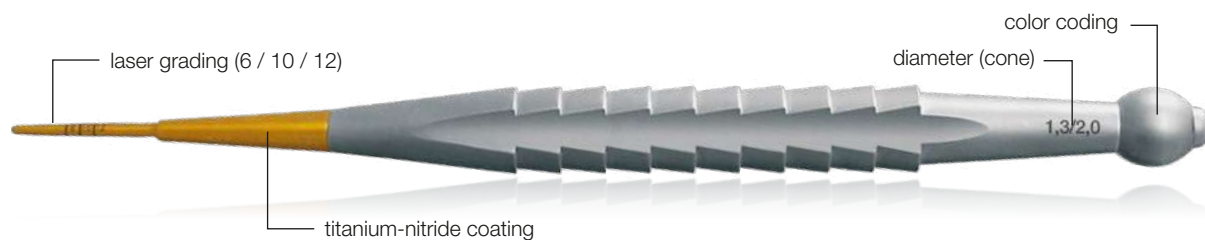


## Bone Condensing Set

nach Dr. Hohl & Dr. Hildebrand

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




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







**47.949.90**

**Bone Condensing Set:**



-  **47.949.01** (Ø 1.3 - 2.0 mm)
-  **47.949.02** (Ø 2.0 - 2.8 mm)
-  **47.949.03** (Ø 2.8 - 3.3 mm)

-  **47.949.04** (Ø 3.3 - 3.8 mm)
-  **47.949.05** (Ø 3.8 - 4.3 mm)
-  **47.949.06** (Ø 4.3 - 5.0 mm)
-  **47.949.07** (Ø 5.0 - 6.0 mm)

## Osteotome Set

**47.940.00**

Osteotome Set, straight

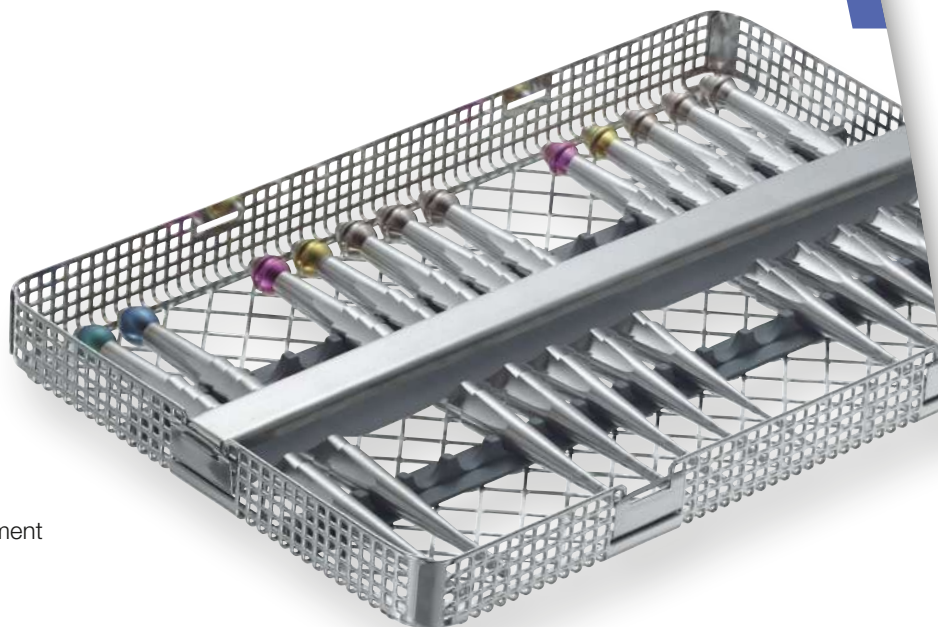
**47.940.01**

Osteotome Set, angulated

always including

**85.180.00**

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



## Widener straight

 **47.940.50** Ø 5.0 straight (for 5.0)


 **47.940.60** Ø 6.0 straight (for 6.0)

## Widener angulated


 **47.941.50** Ø 5.0 angulated (for 5.0)

 **47.941.60** Ø 6.0 angulated (for 6.0)


## concave straight

 **47.942.20** Ø 2.0 (for 2.0)

 **47.942.28** Ø 2.3 / 2.8 (for 2.8 / 3.3)

 **47.942.33** Ø 2.8 / 3.3 (for 3.3 / 3.8)

 **47.942.38** Ø 3.4 / 3.8 (for 4.3)

 **47.942.43** Ø 3.9 / 4.3 (for 5.0 / 6.0)

## concave angulated

 **47.943.20** Ø 2.0 (for 2.0)

 **47.943.28** Ø 2.3 / 2.8 (for 2.8 / 3.3)


 **47.943.33** Ø 2.8 / 3.3 (for 3.3 / 3.8)

 **47.943.38** Ø 3.4 / 3.8 (for 4.3)

 **47.943.43** Ø 3.9 / 4.3 (for 5.0 / 6.0)


## convex straight

 **47.944.20** Ø 2.0 (for 2.0)

 **47.944.28** Ø 2.3 / 2.8 (for 2.8 / 3.3)

 **47.944.33** Ø 2.8 / 3.3 (for 3.3 / 3.8)

 **47.944.38** Ø 3.4 / 3.8 (for 4.3)

 **47.944.43** Ø 3.9 / 4.3 (for 5.0 / 6.0)

## convex angulated

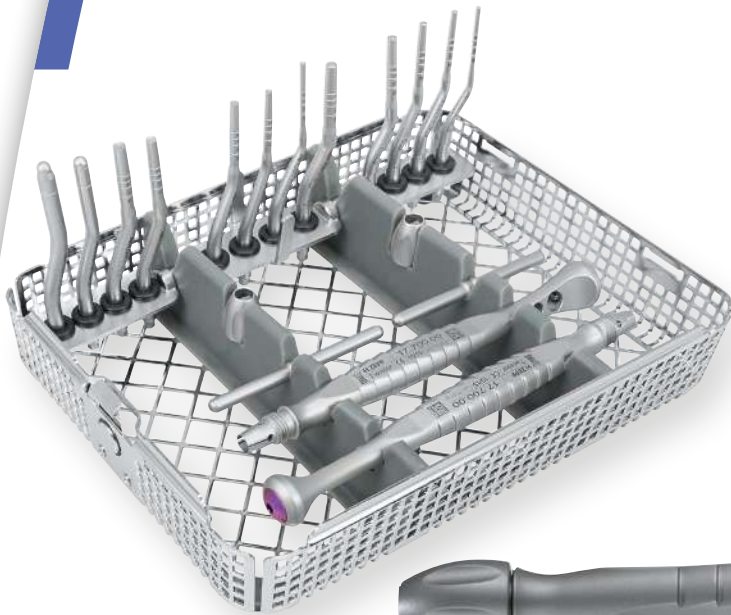
 **47.945.20** Ø 2.0 (for 2.0)

 **47.945.28** Ø 2.3 / 2.8 (for 2.8 / 3.3)

 **47.945.33** Ø 2.8 / 3.3 (for 3.3 / 3.8)

 **47.945.38** Ø 3.4 / 3.8 (for 4.3)

 **47.945.43** Ø 3.9 / 4.3 (for 5.0 / 6.0)

**Osteotome Set**  
with exchangeable inserts

**47.961.00**

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

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



**17.700.40**



**17.700.00** Handle for exchangeable inserts



**47.961.20**

**17.700.45** Clamping Screw



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

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

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



**47.750.03** Ø 3 mm

**47.750.04** Ø 4 mm



**47.750.13** Ejector Ø 3 mm

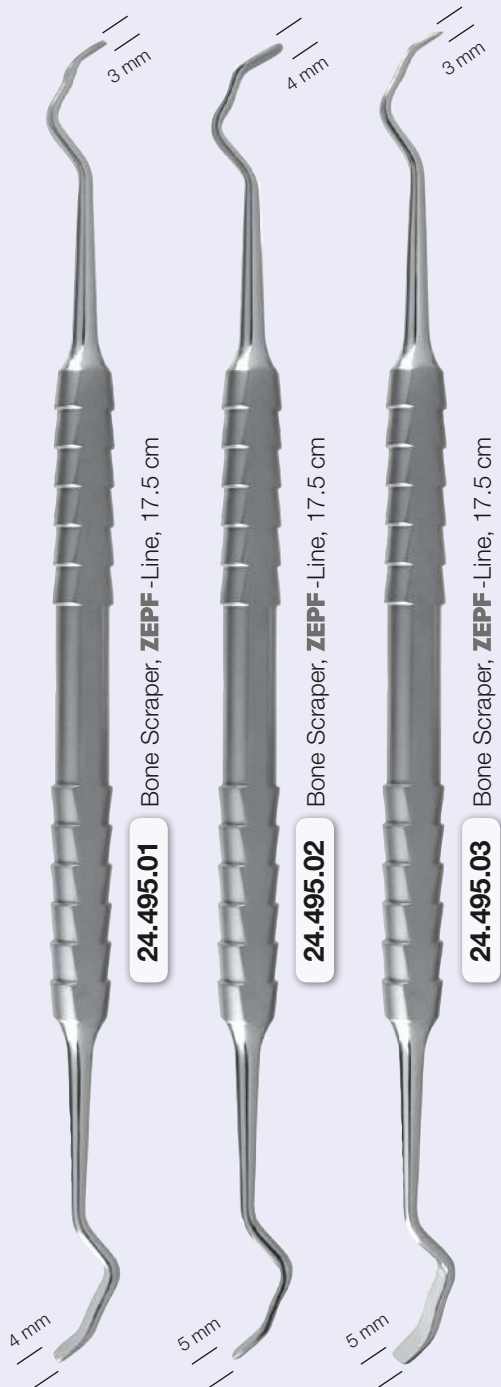
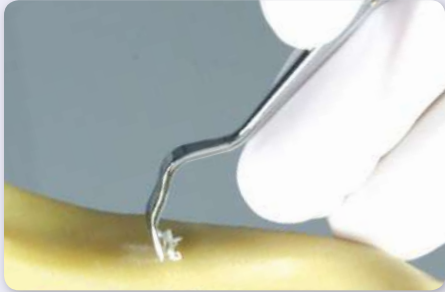
**47.750.14** Ejector Ø 4 mm





## Back Action Chisel

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



## Bone Scraper

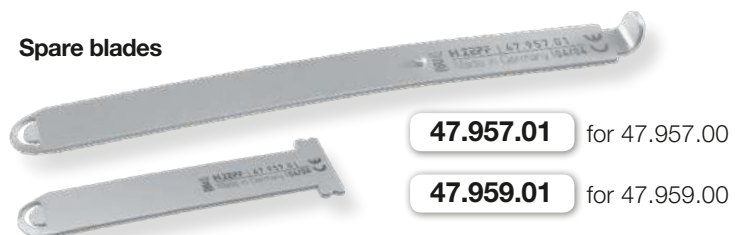
Collecting autologous bone material.

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.



### Spare blades



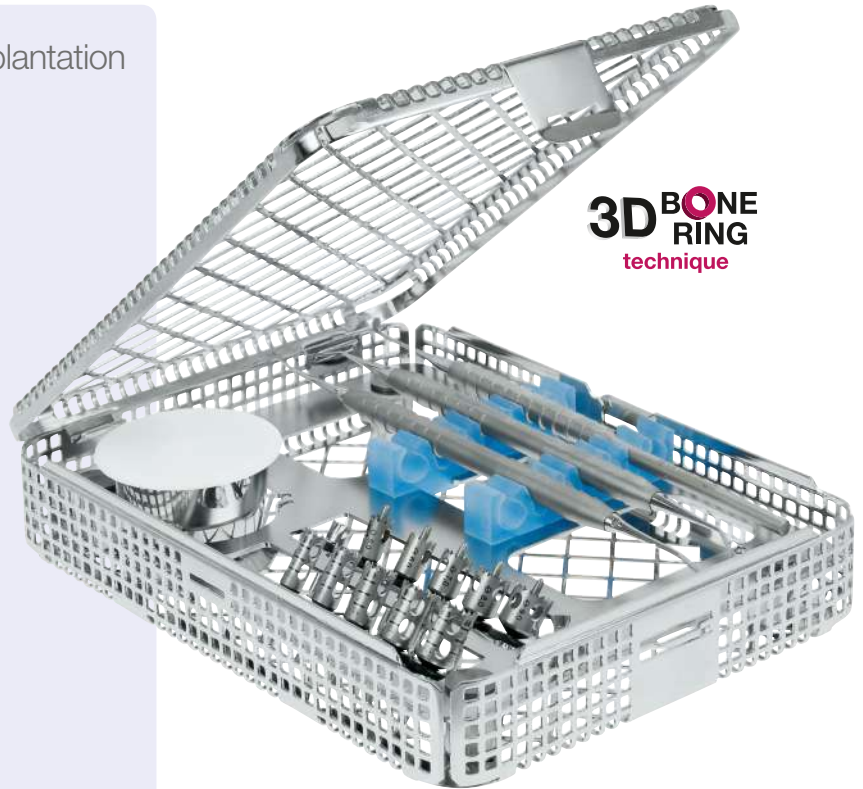
## 3D One Step Augmentation & Implantation

acc. to 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.

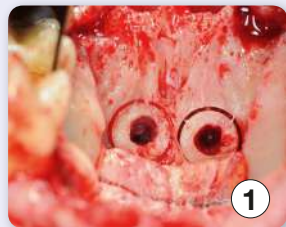
The aim of this development is an accelerated implant treatment. Thereby, the safety of the implantological success as well as the convincing result for the patient and the user have priority. In many cases, this new augmentation method can be used to build up the bone base for the insertion of one or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

Particularly suitable for the vertical augmentation of the highly atrophied and distal mandible (pic. 2). With this newly introduced technique, perfectly fitting ring-shaped bone transplants are removed from the chin-, retro-molar region or from the palatal area (pic. 1) by means of trephines and fixed immediately in the receiving area (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 instrumentation for precise and time-saving steps of treatment in order to ensure an optimal function.

## Application

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

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

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

3D One Step Augmentation & Implantation acc. to Dr. Bernd Giesenhagen



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



**47.520.23** Adenoid Curette Ø 3 mm



**47.520.25** Ring Breaker, small/large, double-ended



**Trephines, short**

**08.910.13S** inner Ø 5 mm

**08.910.08S** inner Ø 6 mm

**08.910.09S** inner Ø 7 mm

**08.910.10S** inner Ø 8 mm

**08.910.11S** inner Ø 9 mm



**Trephines, with fixation support**

**08.910.13F** inner Ø 5 mm

**08.910.08F** inner Ø 6 mm

**08.910.09F** inner Ø 7 mm

**08.910.10F** inner Ø 8 mm

**08.910.11F** inner Ø 9 mm



**08.910.22**

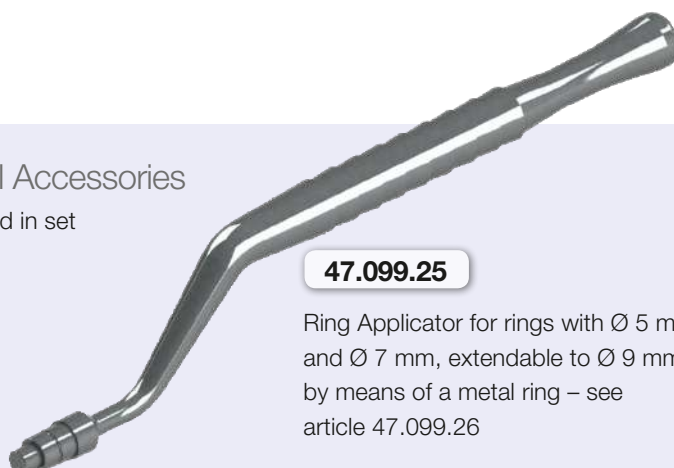
Plain Milling Cutter Ø 6 mm



**85.251.04**

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

Optional Accessories  
not included in set



**47.099.25**

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



**47.099.26**

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

## Trephines

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

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

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



**08.910.10**

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



## Bur Stand for Trephines



**85.070.01** 8.5 x 5.0 cm

for 6 burs, shaft Ø 2.35 mm

**85.070.05** 8.5 x 4.5 cm

for 6 short burs, shaft Ø 2.35 mm



**08.912.75**

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

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



**85.070.05** Suitable Bur Stand

for 6 Mucosa Membrane Punches



**08.920.06**

<b>08.920.03</b>	Ø 3.0 mm	<b>08.920.06</b>	Ø 6.0 mm
<b>08.920.04</b>	Ø 4.0 mm	<b>08.920.13</b>	Ø 3.5 mm
<b>08.920.05</b>	Ø 5.0 mm	<b>08.920.16</b>	Ø 6.5 mm

## 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.



**47.955.00**

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



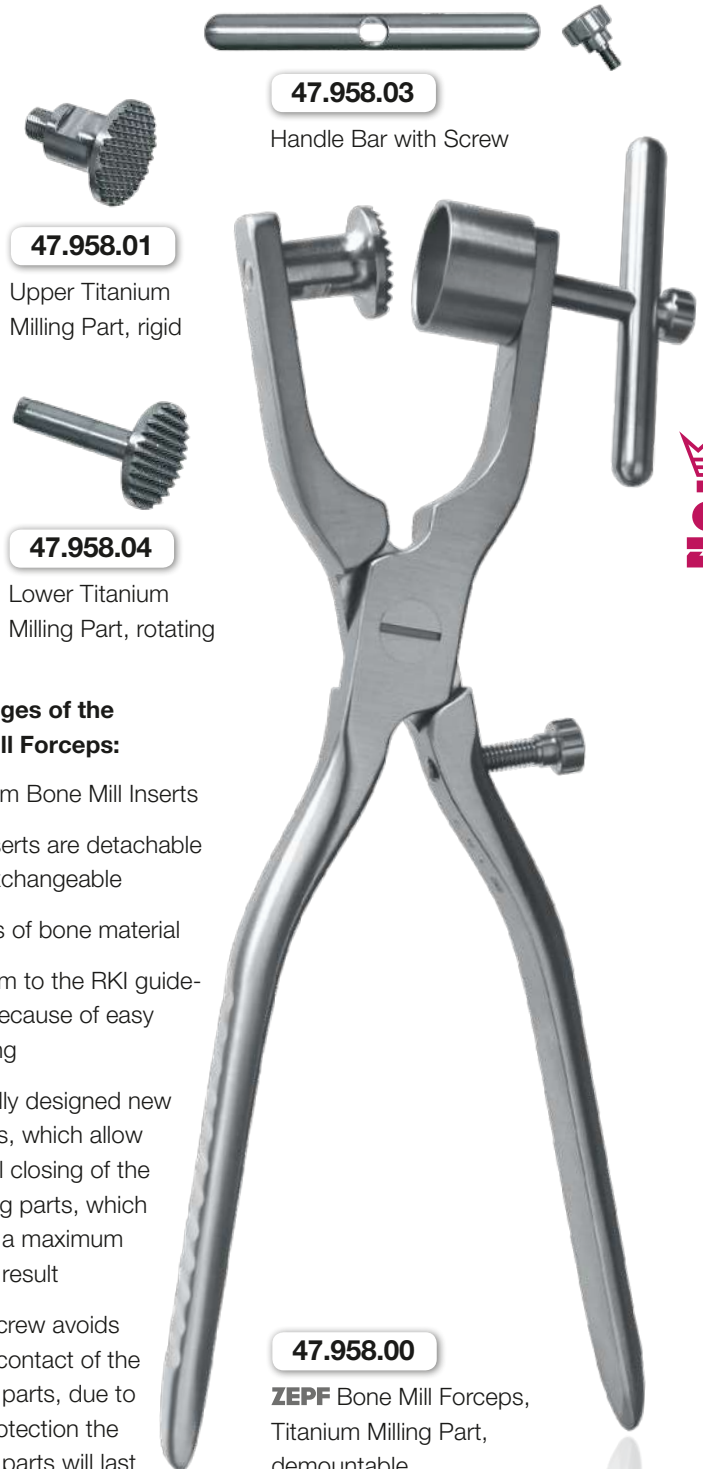
**47.955.10**

Teflon Support for Bone Crusher  
After using the hammer, turn the Pusher 90° and crush again. With this movement the cutting edge is turned on the bone. After that, the desired result should be achieved.

## Bone Mill Forceps

### For gaining autogenic bone material.

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



**47.958.03**

Handle Bar with Screw

**47.958.01**

Upper Titanium Milling Part, rigid

**47.958.04**

Lower Titanium Milling Part, rotating

### Advantages of the Bone Mill Forceps:

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

**47.958.00**

**ZEPF** Bone Mill Forceps, Titanium Milling Part, demountable



## ZEPF *bonemill* ( ) ( )

**47.954.01**

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

**47.954.55**

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



**47.954.35**

### **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).



## **ZEPF Bone Mill**

Bone Mill, to crush autologous bones. In order to correct bone defects, bone harvesting is necessary elsewhere. Bigger bone pieces or bone-blocks can be removed by using trephines.

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

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

### **Advantages of the HELMUT ZEPF Bone Mill:**

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

## Sinus Elevators

acc. to Dr. Meiselbach

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

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



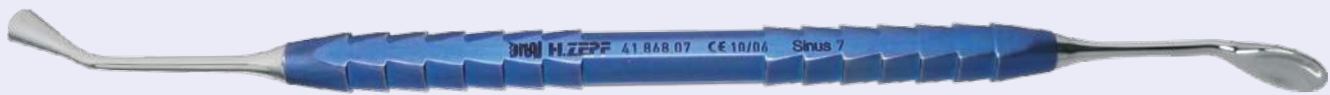
**41.848.51** Sinus Elevator 1 acc. to **Dr. Meiselbach**, 2.3 mm, blunt



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



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



**41.868.07** **Kirsch**, Sinus 7, Plugger Ø 5.0 mm, Spoon 8 x 10 mm, Titanium **ZEPP**-Line Handle, double-ended, 17.5 cm



**47.530.00** Cleaning Instrument to collect autologous bones

## Universal Sinus Instruments

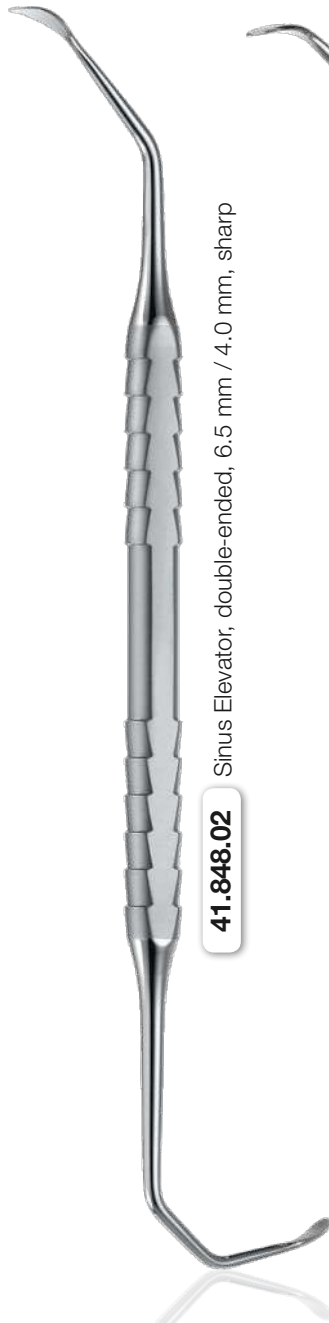
For implantological treatment in the maxilla, in case of missing vertical bone in the direction of sinus maxillaris.

### Advantages:

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



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



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



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

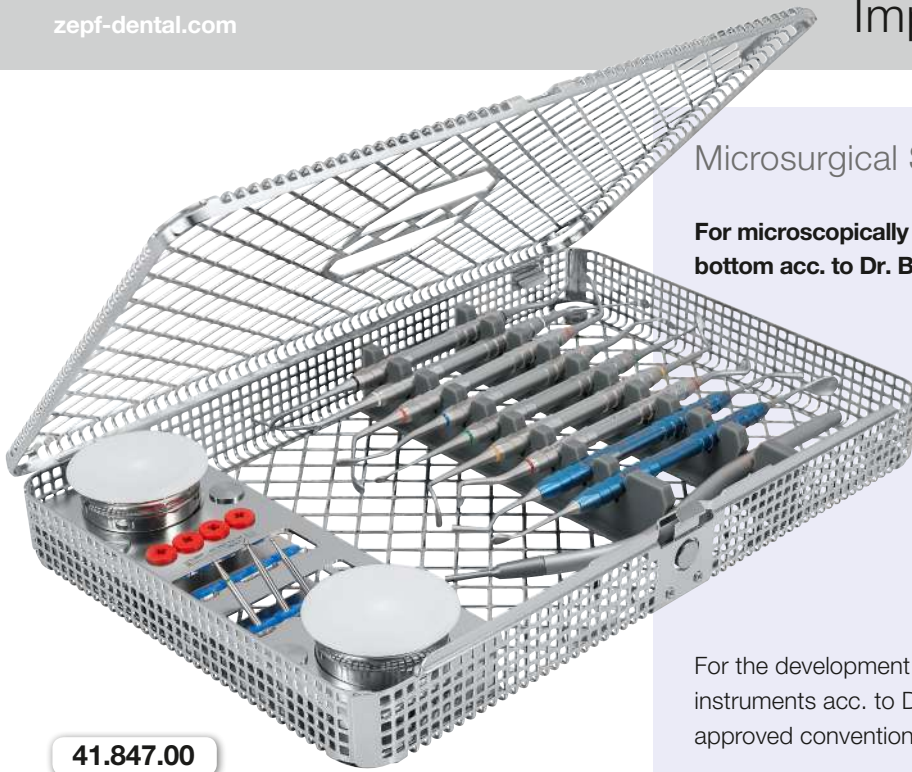


**41.848.05** Sinus Elevator, double-ended, 4.4 mm / 8.5 mm, blunt



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





**41.847.00**

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



## Microsurgical Sinus Lift Instruments

**For microscopically guided elevation of the sinus bottom acc. to Dr. Behnam Shakibaie-M.**

For the development of the new microsurgical sinus lift instruments acc. to 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 color-coded to allow an easy, chronological use.

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

Pictures by Dr. Behnam Shakibaie-M.



Microsurgical Sinus Lift Instruments acc. to Dr. Shakibaie-M.

**41.847.00**

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



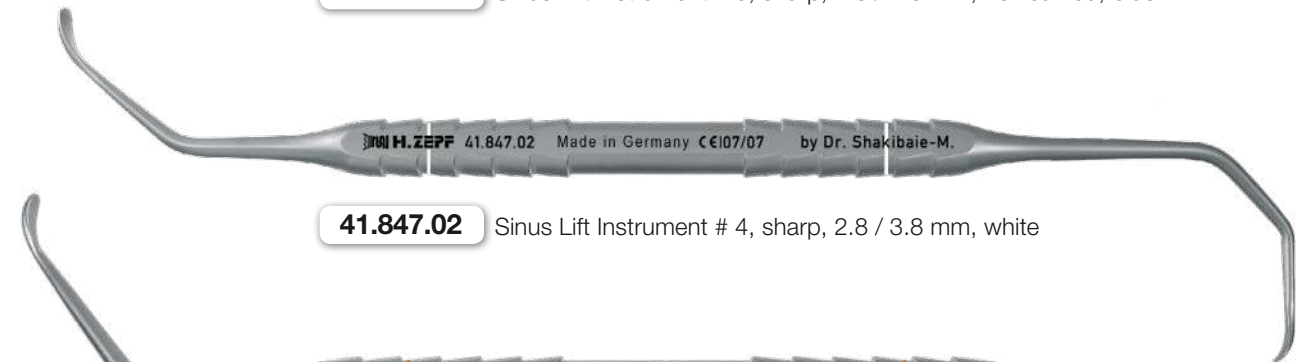
**41.847.08** Sinus Lift Instrument # 1, sharp, 2.9 / 2.4 mm, green



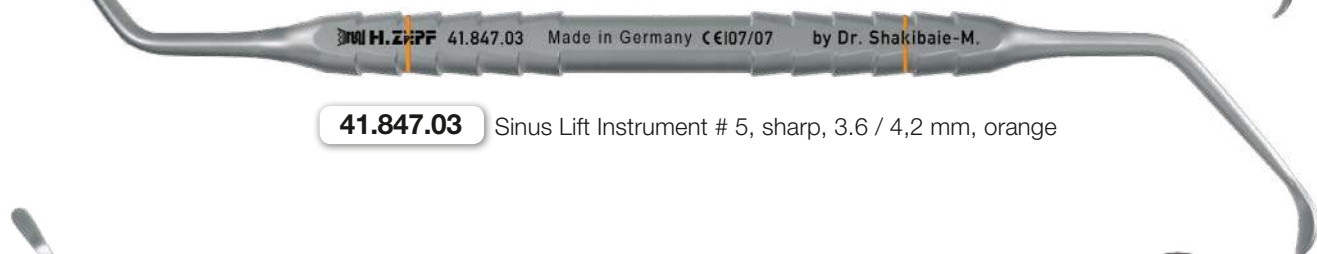
**41.847.01** Sinus Lift Instrument # 2, sharp, 2.9 / 2.9 mm, black



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



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



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



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



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





**08.906.014C**

Diamond, 014C, round, Ø 1.4 mm



**08.906.016C**

Diamond, 016C, round, Ø 1.6 mm



**08.906.018C**

Diamond, 018C, round, Ø 1.8 mm



**85.251.03**

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



**41.868.08M** Micro Sinus Plugger, Plugger

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



**41.868.09** Micro Sinus Spoon, Spoon

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



**19.651.15M** Micro Sinus Aspirator

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





**24.995.01**

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



**Sinus Instrument Set** acc. to 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 particularly suited for difficult maxillary sinus structure (septa, maxillary pillars, scarred mutations in change with intact maxillary sinus mucosa).



**Advantages of the system:**

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



**41.822.01**



**41.822.02**



**41.822.03**



**41.822.04**



**Surgical Aspirator**

Sinus-Line, slotted, titanium tip, acc. to Dr. Maty

**19.651.13** Ø 1.5 mm

**19.651.14** Ø 3.0 mm



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



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



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



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



**41.868.07** **Kirsch**, Sinus 7, Plugger Ø 5.0 mm, Spoon 8 x 10 mm, Titanium **ZEPF**-Line Handle, double-ended, 17,5 cm



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

**85.251.14** Mixing Cup without plastic lid, stainless steel, Ø 40 mm



**08.906.029C** Diamond, 029C, round, Ø 2.9 mm

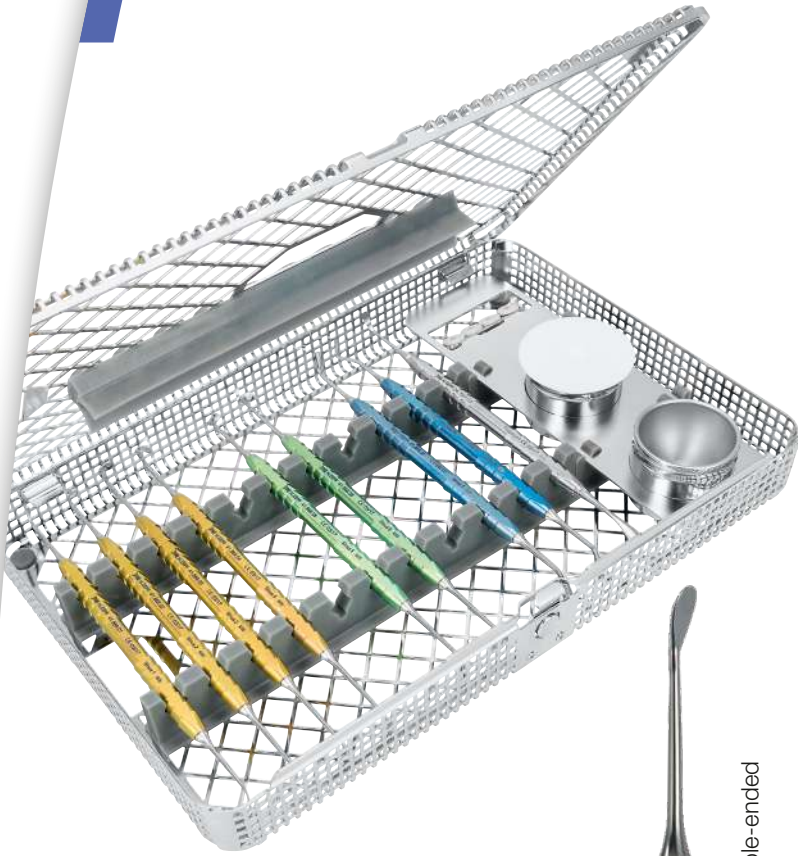


**08.906.023C** Diamond, 023C, round, Ø 2.3 mm



**08.902.031HF** HB Drill, 031HF, round





### Sinus Instrument Set acc. to Dr. Kirsch

**24.995.00**

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

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



**41.868.01** Kirsch, Sinus 1, Elevator 25°, Titanium 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



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



**85.251.03**

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



**85.190.10**

Universal Instrument Rack



**41.868.05**

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



**41.868.06**

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



**41.868.07**

**Kirsch**, Sinus 7, Plugger Ø 5.0 mm, Spoon 8 x 10 mm,  
Titanium **ZEPF**-Line Handle, double-ended



**41.868.08**

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

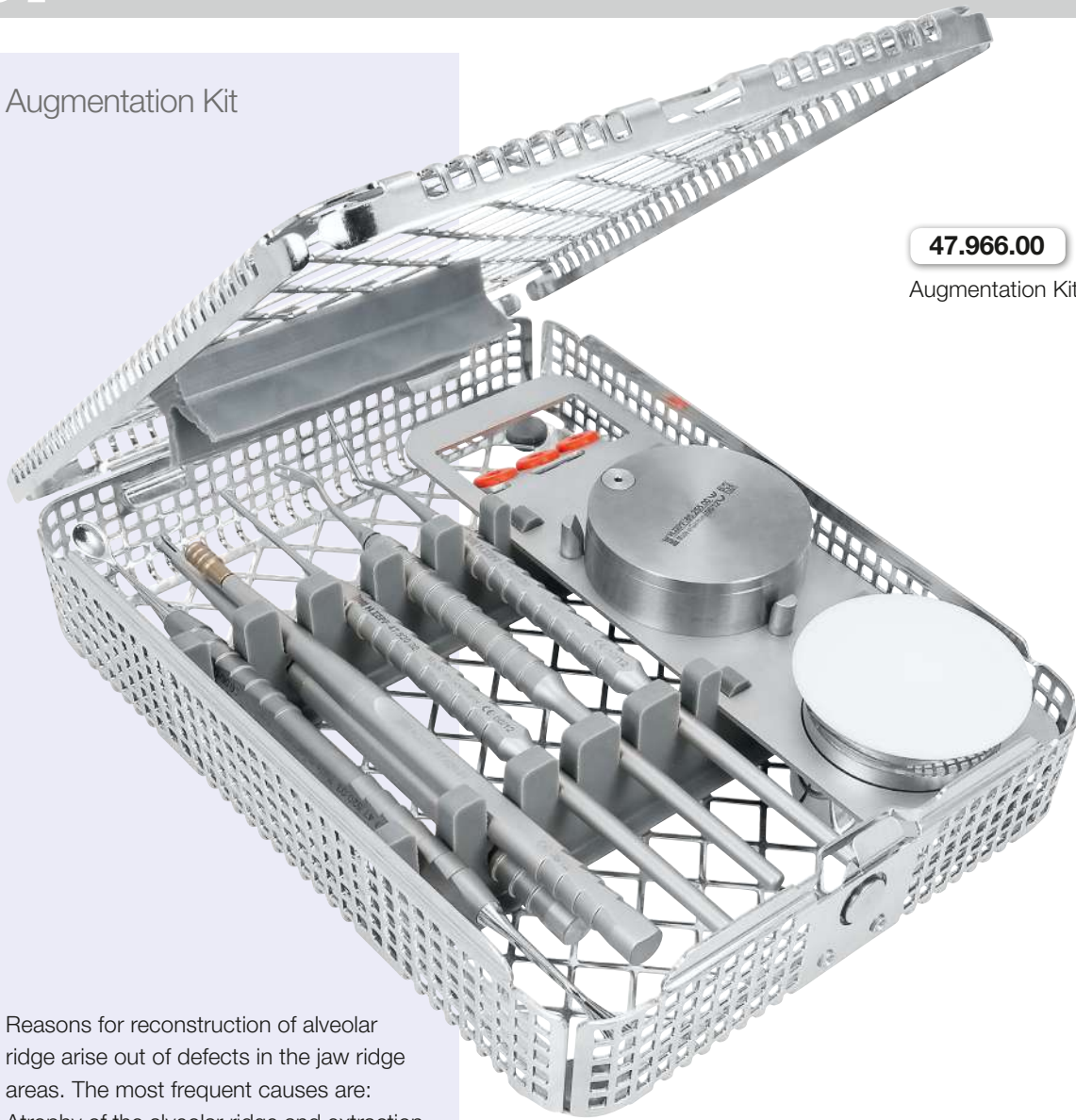


**24.747.03**

Universal Raspatory, exchangeable inserts



## Augmentation Kit



**47.966.00**

Augmentation Kit



Reasons for reconstruction of alveolar ridge 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



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



### **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.



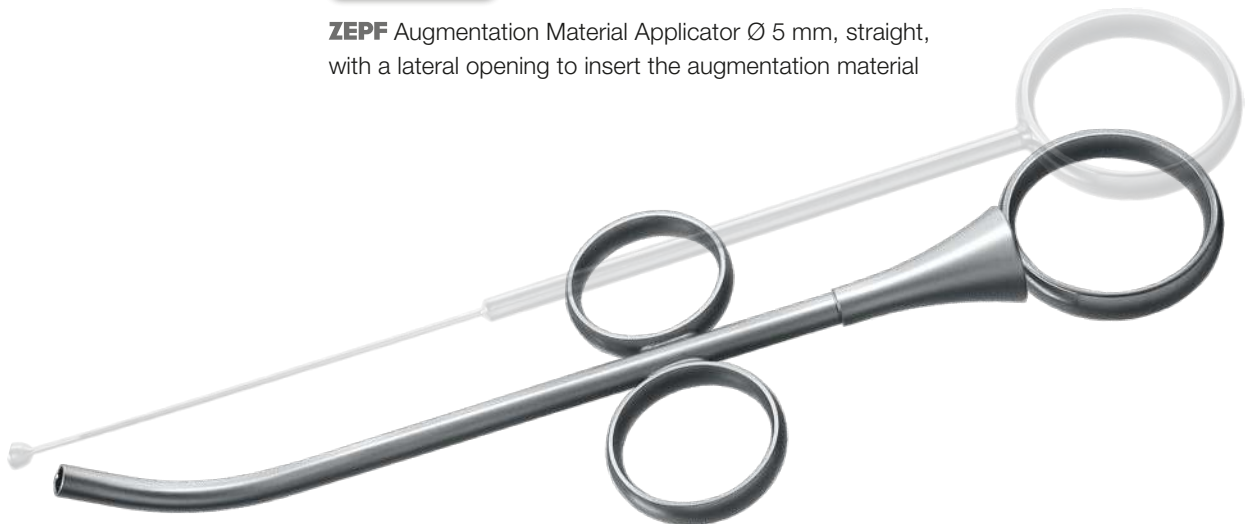
The augmentation material can be applied precisely with the injecting mechanism.

The instrument can be taken apart for optimal cleaning.



**19.714.16**

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



**19.714.01** Ø 2.5 mm



**19.714.03** Ø 4.5 mm



**19.714.02** Ø 3.5 mm



**19.714.04** Ø 6.0 mm





## ZEPF Implant Holding Tweezers

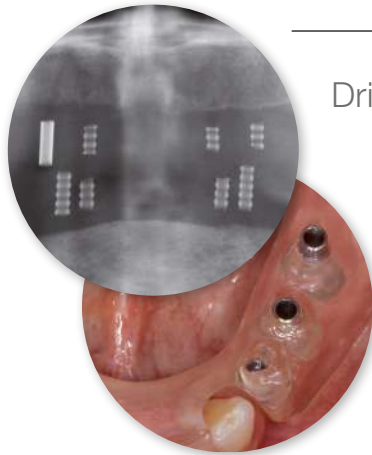
Implants, abutments and small parts fall down and it is not possible anymore to take them up safely? With the Implant Holding Tweezers this unpleasant part during work is a thing of the past.



**22.013.04**

Implant Holding Tweezers,  
titanium, 16 cm

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



## Drilling Sleeves acc. to Prof. Dr. Yildirim



**08.915.05**

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

**08.915.02**

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



## ZEPF Flag Holder

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



**08.917.00**

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



**08.917.05** 5 mm

for front teeth and premolars



**08.917.07** 7 mm

for molars



**08.917.13** 13 mm

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



**08.917.20** 20 mm

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

## Krekeler Sliding Caliper

Acc. to 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.**

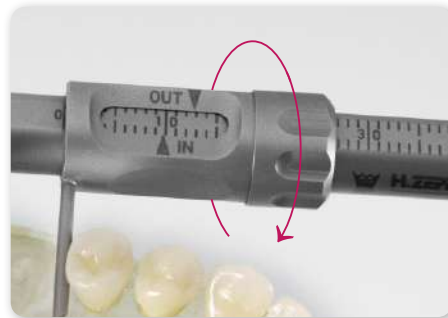


**31.693.10**

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



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

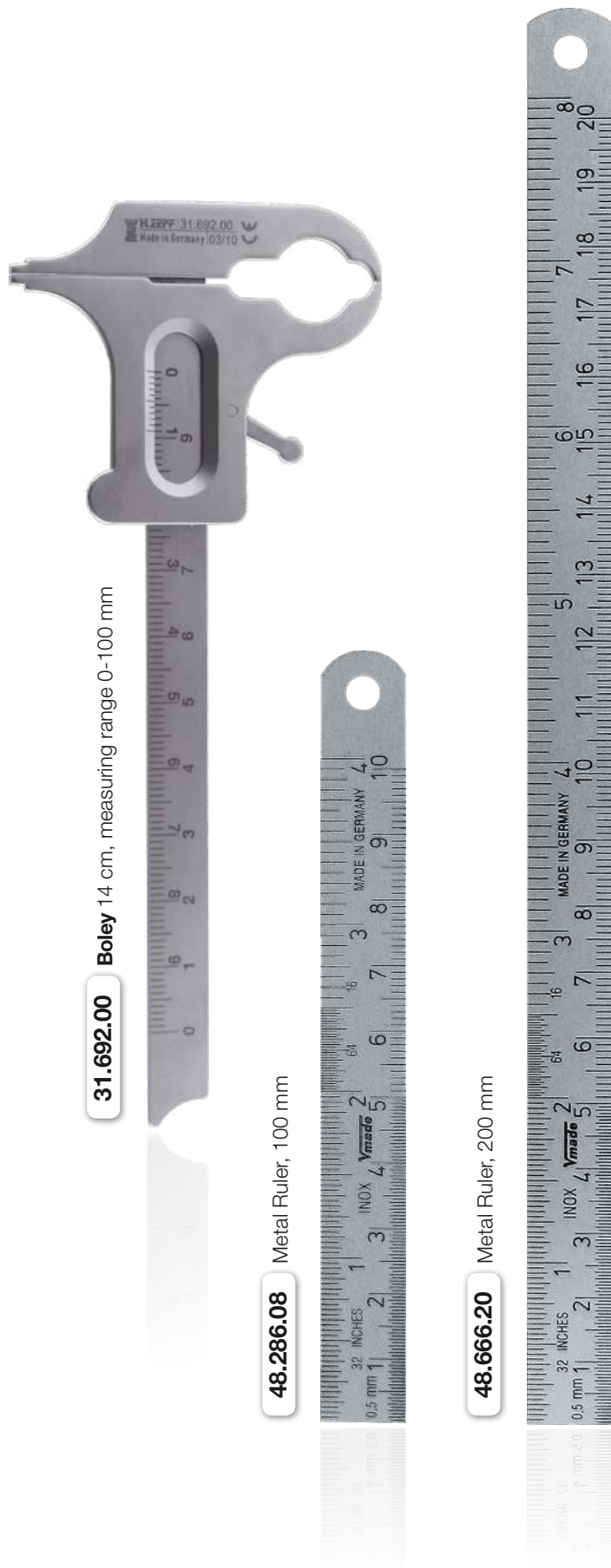


Locating screw for a safe fixation of the measured result.



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

### Sliding Calipers and Metal Ruler



**31.692.00**

**Boley** 14 cm, measuring range 0-100 mm

**48.286.08**

Metal Ruler, 100 mm

**48.666.20**

Metal Ruler, 200 mm

### Bone Caliper



**31.691.13**

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





zepi-dental.com



**MADE**  **IN GERMANY**

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

Scale

