

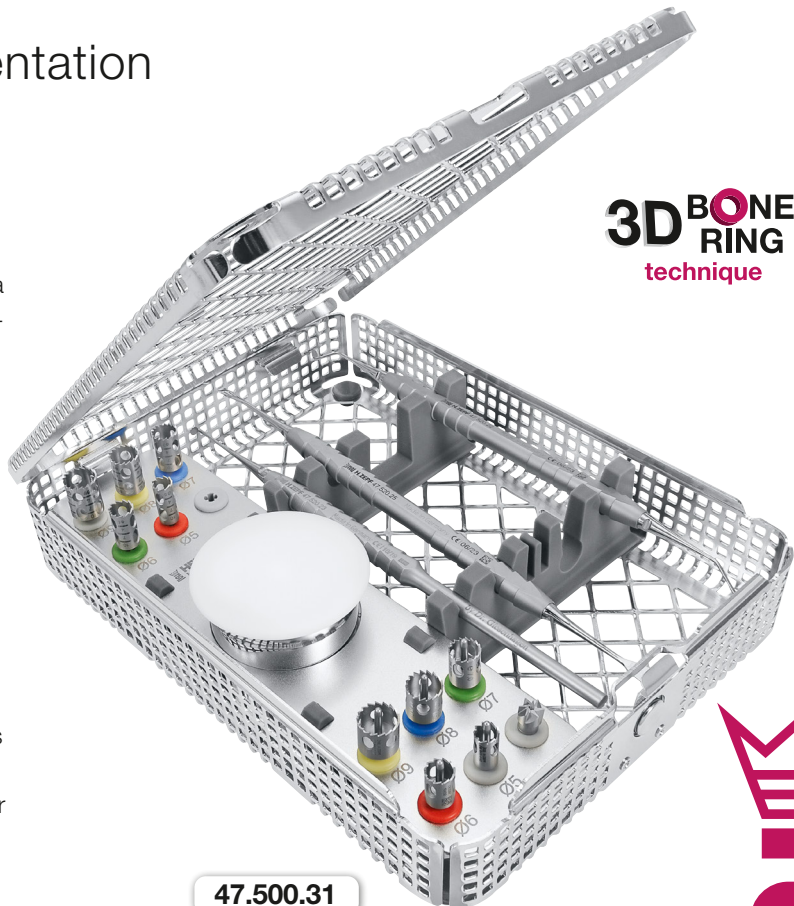
## 3D One Step Augmentation & Implantation

by Dr. Bernd Giesenhagen

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

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

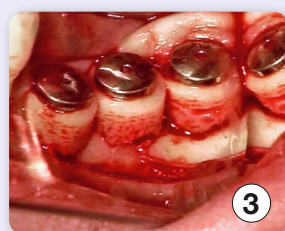
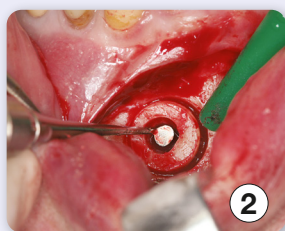
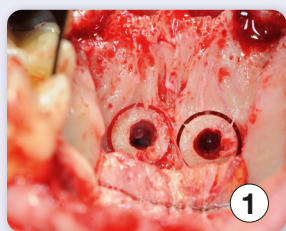
Dr. Bernd Giesenhagen, the inventor of this procedure, and **HELMUT ZEPF** have selected a special range of instrumentation for precise and time-saving steps of treatment in order to ensure an optimal function.



**3D BONE  
RING**  
technique

47.500.31

Complete Set with washbasket 85.184.18  
and instruments shown on the rear page;  
without optional accessories



### Application

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.

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.

**CONTENT:** 3D One Step Augmentation & Implantation Set by Dr. Bernd Giesenhagen



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



**47.520.23** Adenoid Curette Ø 3 mm



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



**Trephines, short**

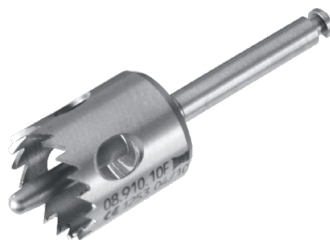
**08.910.13S** inner Ø 5 mm

**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

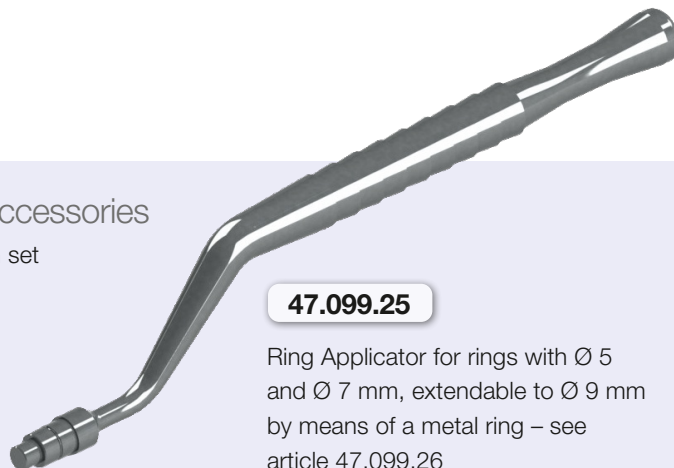


**08.910.22**  
Plain Milling Cutter Ø 6 mm

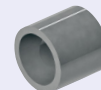


**85.251.04**  
Mixing Cup, stainless,  
with POM Lid, Ø 4 cm

Optional Accessories  
not included in set



**47.099.25**  
Ring Applicator for rings with Ø 5  
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

AESTHETIC IS THE RESULT