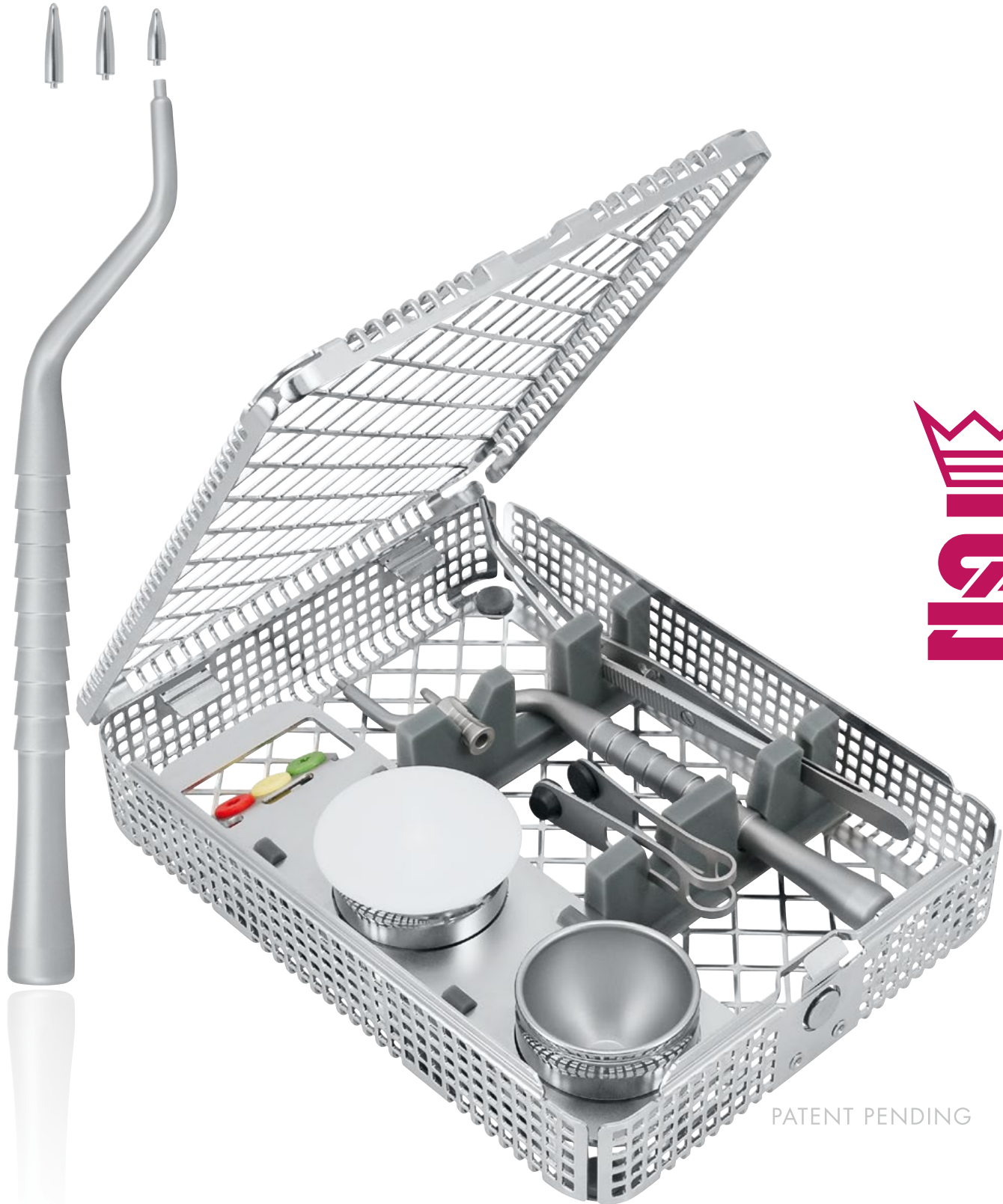


ZEPF Bone Insert System

by Dr. Engesser, Ehingen / Germany



PATENT PENDING



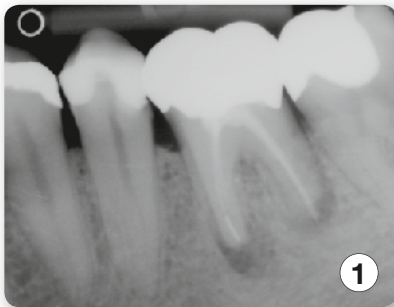
ZEPF Bone Insert System

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The Indication

The pre-implant process starts with the extraction of a tooth and the preparation of the alveolus for a later implantation. The system contains titanium placeholders in different sizes which fill the lumen of an alveole temporarily. The aim is not the ossification of the resulting cavity, but to assure the preservation of the anatomical shape.

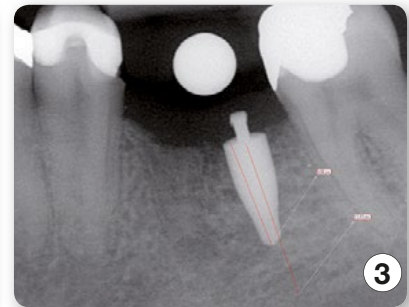
A dense deposition of compact bone substance for an ideal interface for the implant is desired.



In the initial position, tooth number 36 is beyond remedy and needs to be removed.



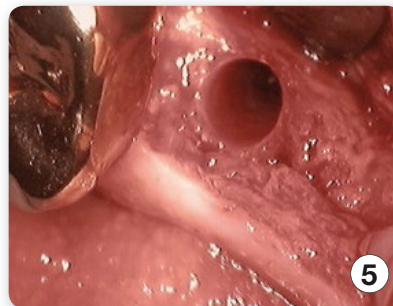
Insert placed immediately after extraction.



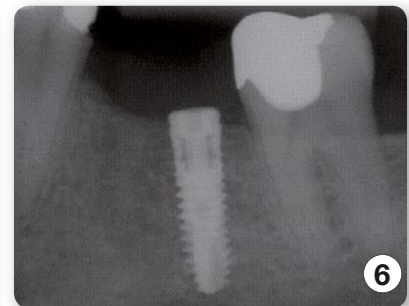
Result is a solid bone structure around the bone insert after an inflammation-free healing time of 3 months.



Insert adapted in the alveolus – visible ossified defect with loss of the buccal bone wall, only the septum is still available.



Condition after removal of the insert – visible ossification – complete regeneration of the buccal wall, optimized bone deposition.



Implant is inserted.

The clinical application

After extraction of the tooth root, the alveolus needs to be cleaned and curetted carefully. The length and thickness of the root has to be measured. Riddled from the possibly existing inflammatory process, an appropriate bone insert will be selected. At first, the bone insert is placed with gripping tweezers.

By means of an alignment instrument, the ideal axis is adjusted. The optimal intrusion depth of the bone insert is reached subcrestally to the shoulder. Two to three light strokes with the universal driver are sufficient.

Remaining lateral cavities can be refilled with bone replacement material.

A covering of the augmented area is not absolutely required. If required, a membrane as barrier is used subperiostally.

The bone insert will be removed under terminal anaesthesia after approx. 3 months.

The preparation in situ starts according to the implant planning data with the extension drilling and the final widening to the implant core diameter by means of a form cutter.

The insertion of the implant completes the surgical intervention.

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... easier, faster and safer to implant

The pre-implant practice features the preservation of the anatomical shape of the alveolar ridge after a tooth extraction. The aim of this process is the dense deposition of the bone insert after a tooth extraction.

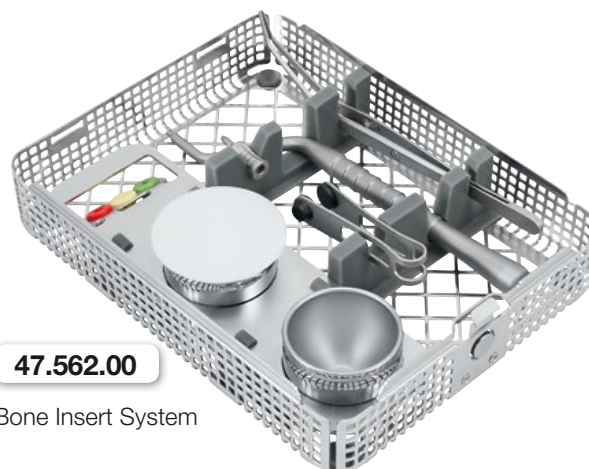
Thus the ossification of the alveolus will be avoided.

Advantages of the Bone Insert System in detail:

- preservation of the existing anatomical structures
- time-saving with enhanced bone quality
- bridging of possibly existing inflammatory processes
- reduction of atrophic proceedings
- risk minimization by refraining from immediate implantation
- increased safety in anatomical bordering structures

Responsible for the clinical content:

Dr. Engesser, Ehingen / Germany



47.562.00

Bone Insert System

PATENT PENDING



85.251.04

Mixing Cup with lid,
stainless steel, Ø 4 cm

85.251.14

Mixing Cup without lid,
stainless steel, Ø 4 cm



22.031.20

Gripping Tweezers

Bone Inserts

Optional system components

The bone inserts as titanium mouldings are available in different lengths 9, 12, 14 mm and with Ø 2.5, 3.5, 4.5 mm.

The surface is plain, corresponding to the natural alveolus in a slight parabola shape.



47.562.02

Alignment Instrument



19.695.50

Handle Universal Uni-Grip

19.562.03

Universal Driver

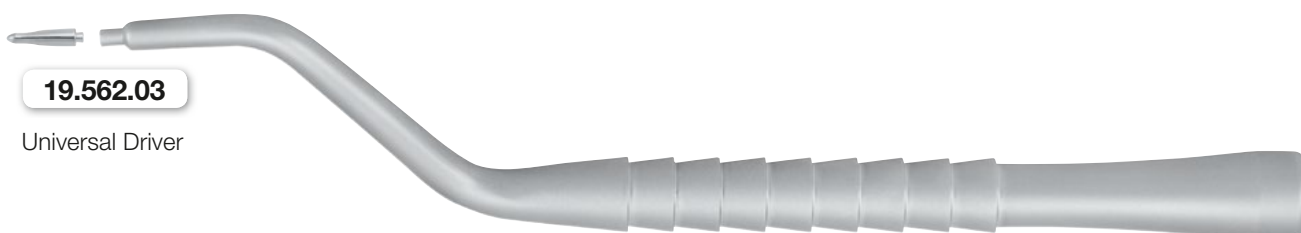


Illustration	Article Description	Order Quantity
	47.562.00 ZEPF Bone Insert System in a washbasket 1/2 with lid, press button and silicone profiles consisting of:	1 set
	85.194.44 Washbasket 1/2 as rack for the remaining components	1 piece
	47.562.02 Alignment Instrument for Bone Insert System	1 piece
	47.562.03 Universal Driver for Bone Insert System	1 piece
	19.695.50 Handle Universal Uni-Grip	1 piece
	22.031.20 Gripping Tweezers for Bone Insert System	1 piece
	85.251.14 Mixing Cup, stainless steel, Ø 4 cm	1 piece
	85.251.04 Mixing Cup with lid, stainless steel, Ø 4 cm	1 piece
Bone Inserts: Not included in the set		
	47.562.13* 47.562.16* 47.562.18* Ø 2.5 mm, length 9 mm 12 mm 14 mm	1 piece
	47.562.23* 47.562.26* 47.562.28* Ø 3.5 mm, length 9 mm 12 mm 14 mm	1 piece
	47.562.33* 47.562.36* 47.562.38* Ø 4.5 mm, length 9 mm 12 mm 14 mm	1 piece



AESTHETIC IS THE RESULT