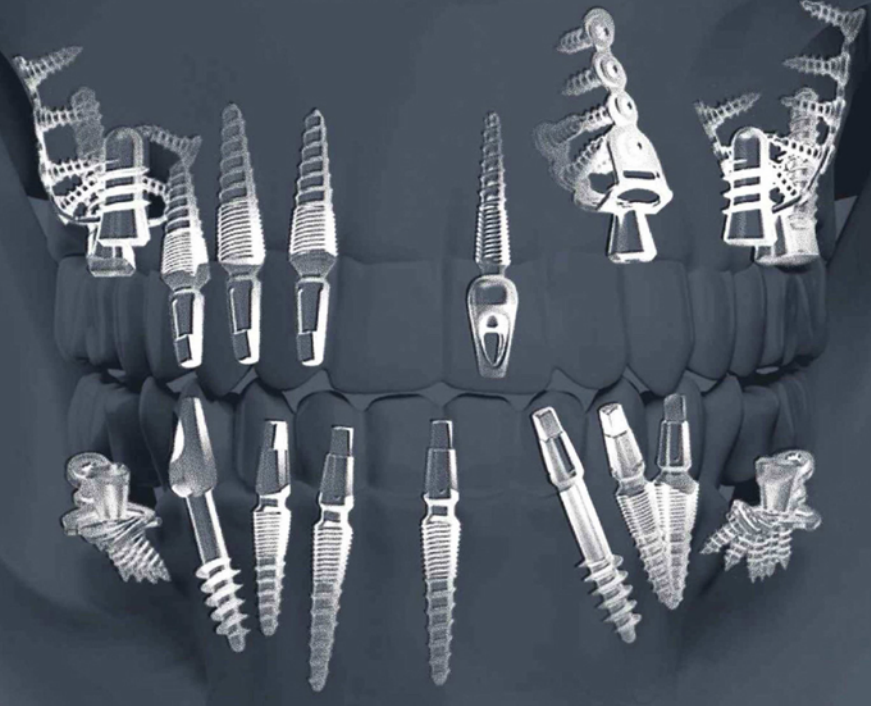


PHOENIX

2024 DENTAL IMPLANT INNOVATIONS





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Company Profile

Approach

We know, how minimally invasive implantology and immediate loading can be possible even in atrophic bones. The answer lies within an intelligent combination of long standing field-tested techniques and ideologies.

System

Because of the combined use of one- and two-pieced screw implants and the assistance through plate implants the Phoenix-System can treat up to 98%* of all possible indications successfully and demonstrably. To ensure a maximum ease of use, the whole system is perfectly harmonised. A minimum of tools and accessories is needed to serve the broad scope of Phoenix Implants.

Relevance

For our users this means more certainty in their daily routine and the assurance, that even very difficult cases can be solved with high-quality products and on basis of proven methods quick, long lasting and nearly painless for the sake of the patients.

Training

Phoenix Implants is supported by a group of leading European implantologists. Thereby we are able to organise courses and trainings, lead by accomplished experts. Successful participants and experienced users are granted the possibility to reach a master certificate. The objective of this offer is to strengthen the scientific community of cortical implantology and to intensify communication among colleagues.

Join us now!

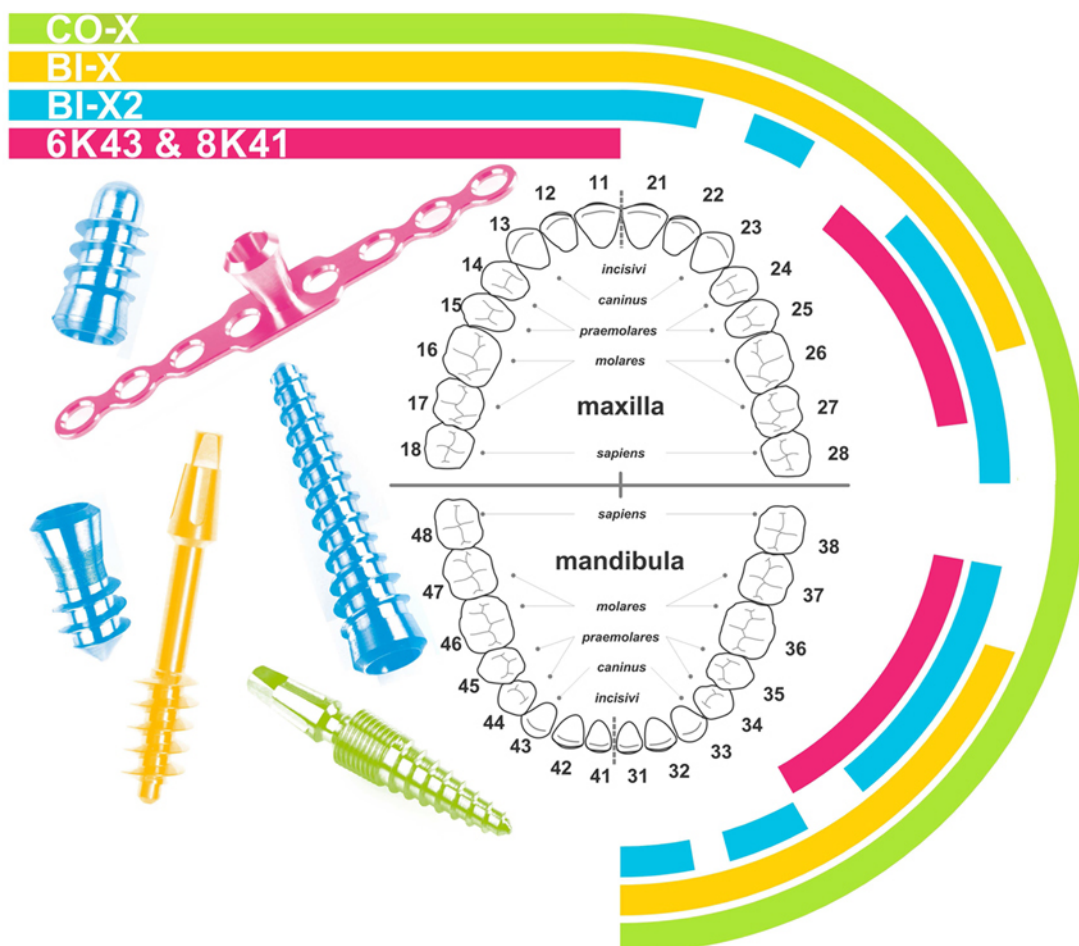
* in 98% of cases we do not need bone augmentation.
Otherwise in the Phoenix-System solely non-absorbable bone material is used

CORTICAL IMPLANTOLOGY

The Phoenix System

Cortical Implantology is the ultimate achievement in dentistry - although foregoing experiences had been led by specialists for many decades by now. This method allows to dentists placing the implants directly into the alveolar processes, **without resorting to bone grafts or sinus lifting**, even in the cases of significant bone tissue defect (width or height).

Together with leading European implantologists Phoenix Implants GmbH designed **a well harmonized system** of different dental implants and accessories to cover the **whole scope of possible indications** minimally invasive and without the use of bone augmentation or Sinus-lift.



RETHOBI.X

BI.X



BI.X



BIX. Bicortical Screw

In periodontally compromised teeth and heavily destroyed bony bearing an insertion of BIX is recommended, as this allows anchoring in the opposite cortex. With a sufficient number of implants, a healing of the damaged bone under masticatory load is possible.

BIX is a bi-cortical implant for usage in the lateral corticalis of the jawbone and on basis of the thread suitable for universal usage. Because of its low implant body the patient's bone is given much space to rebuild itself as the blood circulation is encouraged. Due to its thread the implant is universally applicable and the self-tapping and self-compressing thread enables use in the cancellous bone as well.


	item number	a	b	c	d	e	f	description
	BIX-3510	3,5	10	7,5	3,4	3	7	D=3,5 / L=10
	BIX-3512	3,5	12	7,5	3,4	4	8	D=3,5 / L=12
	BIX-3514	3,5	14	7,5	3,4	5	9	D=3,5 / L=14
	BIX-3517	3,5	17	7,5	3,4	8	9	D=3,5 / L=17
	BIX-3519	3,5	19	7,5	3,4	10	9	D=3,5 / L=19
	BIX-4510	4,5	10	7,5	3,4	3	7	D=4,5 / L=10
	BIX-4512	4,5	12	7,5	3,4	4	8	D=4,5 / L=12
	BIX-4514	4,5	14	7,5	3,4	5	9	D=4,5 / L=14
	BIX-4517	4,5	17	7,5	3,4	8	9	D=4,5 / L=17
	BIX-4519	4,5	19	7,5	3,4	10	9	D=4,5 / L=19
	BIX-5510	5,5	10	7,5	3,4	1	9	D=5,5 / L=10
	BIX-5512	5,5	12	7,5	3,4	3	9	D=5,5 / L=12
	BIX-5514	5,5	14	7,5	3,4	5	9	D=5,5 / L=14
	BIX-5517	5,5	17	7,5	3,4	8	9	D=5,5 / L=17


- a) thread diameter
- b) enossal length
- c) abutment length
- d) abutment-Ø (max)
- e) shaft length
- f) thread length







BIX. Accessories

Item description	specification	material	reference
 Angulation Adapter	0°	titan	S-1000
	15°		S-1015
	25°		S-1025

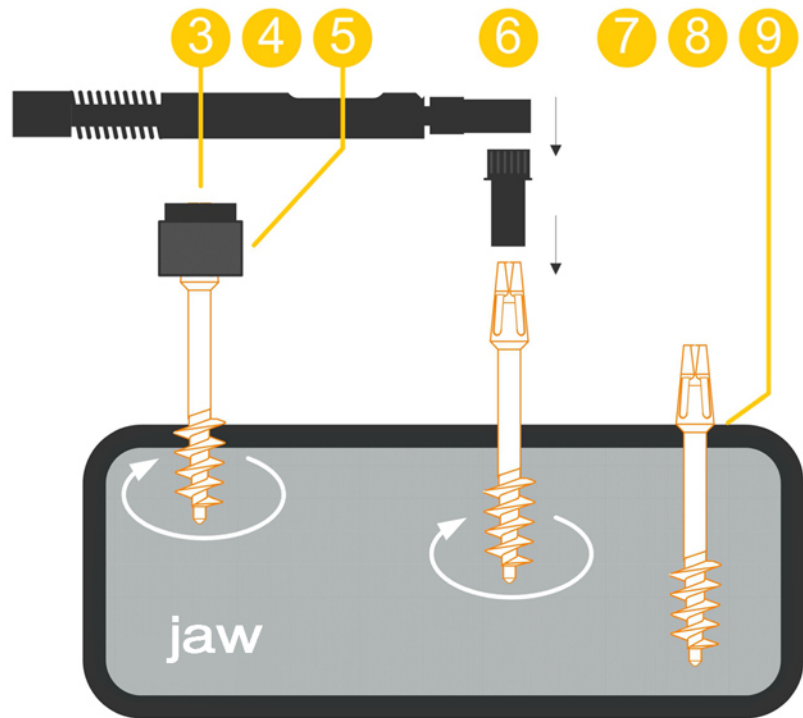
Item description	specification	material	reference
 Analog-CBP Analog-CBT Analog-AA	for CO-X/BI-X	PP	SA-3001
	for CO-X/BI-X	titan	SA-3002
	for Angulation	PP	SA-3125

Item description	specification	material	reference
 Burning Cap-CB Burning Cap-CBR Burning Cap-AA Impression Cap-CB	for CO-X/BI-X	POM	SB-4071
	rotation-safe		SB-4072
	for Angulation		SB-4125
	for Impression		SI-4073

BIX. Tools

Item description	specification	material	reference
 Marker Drill	1,8 mm	steel	T-1018
	2,0 mm	steel	T-2020
Form Drill	2,5 mm		T-2025
 Torque Wrench	20 – 50 Ncm	steel	T-44800
 Insertion Tool-CB	15 mm	steel	T-46015
	20 mm		T-46020
 Emergency Key	for BI-X/CO-X	steel	T-49007

BIX. Processing



- 1) Open the sterile container of the implant packaging.
- 2) The implant is fixed on a hand wheel in the packaging. Remove the implant by taking the hand wheel.
- 3) Now you can insert the implant by using the hand wheel with 15-20 Ncm force.
- 4) The enossal surface of the implant shall not be touched during this procedure.
- 5) Remove the hand wheel by bending it aside slightly and pull back.
- 6) Use the insertion instrument to screw the implant clockwise into the cavity.
- 7) The enossal part of the implant shall be covered by bone completely.
- 8) The implant neck is situated into the mucous membrane.
- 9) It is a must to avoid problems due to micromovements to insert the implant up to 1mm of the implant neck into the bone.

Result

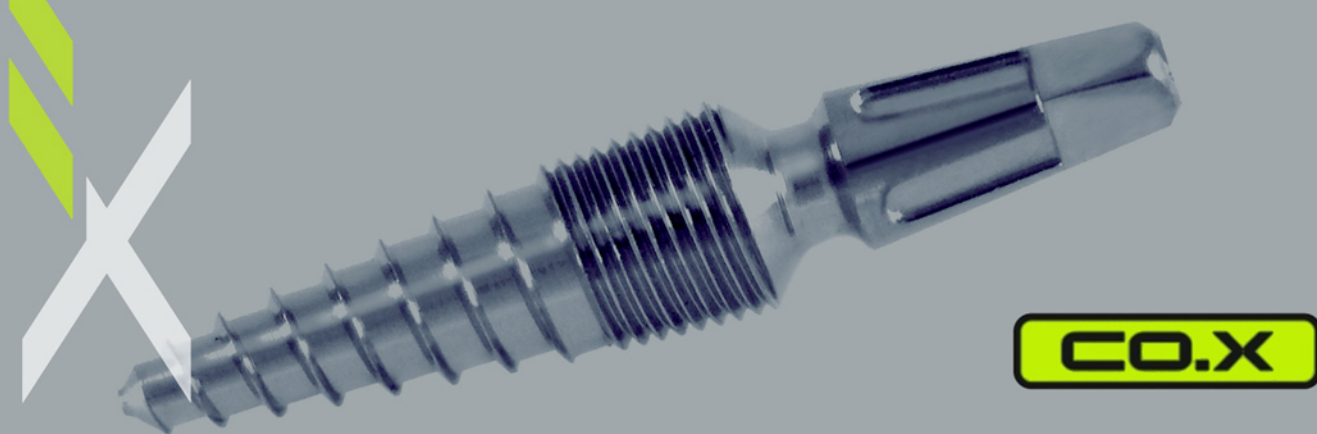
- 1) At given indication prosthetics can be immediately fitted on the implant.
- 2) Within a few days time the final secondary structure shall be cemented.
- 3) An immediate prosthetic splinting through a temporary bridge is recommended.

PHOTOX

PHOTOX



CO.X



CO.X. Compression Screw

This implant type achieves high primary stability and is suitable for nearly all indications and usable for single-tooth replacement, bridges and complete supplies of both jaw with fixed dentures.

COX is a one-piece implant with a self-tapping fine thread and a coarse thread, with a conically shaped screw in the bone region. The special thread form permits the application as a quadruple cortex-screw.

Appropriate for crowns, bridges and studs. The long and fine thread allows exact insertion. Furthermore the fine thread closes the socket optimally. The implant can be used for late implantation, but is particularly adapted for immediate placement after extraction.


	item number	a	b	c	d	e	f	description
	COX-3508	3,5	8	7,5	3,4	4	4	D=3,5 / L=8
	COX-3510	3,5	10	7,5	3,4	4	6	D=3,5 / L=10
	COX-3512	3,5	12	7,5	3,4	4	8	D=3,5 / L=12
	COX-3514	3,5	14	7,5	3,4	4	10	D=3,5 / L=14
	COX-3516	3,5	16	7,5	3,4	4	12	D=3,5 / L=16
	COX-3518	3,5	18	7,5	3,4	4	14	D=3,5 / L=18
	COX-4508	4,5	8	7,5	3,4	4	4	D=4,5 / L=8
	COX-4510	4,5	10	7,5	3,4	4	6	D=4,5 / L=10
	COX-4512	4,5	12	7,5	3,4	4	8	D=4,5 / L=12
	COX-4514	4,5	14	7,5	3,4	4	10	D=4,5 / L=14
	COX-4516	4,5	16	7,5	3,4	4	12	D=4,5 / L=16
	COX-4518	4,5	18	7,5	3,4	4	14	D=4,5 / L=18


- a) thread diameter
- b) enossal length
- c) abutment length
- d) abutment diameter (max)
- e) fine thread
- f) thread length



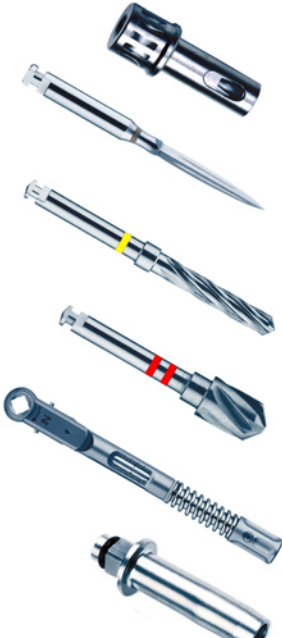
COX. Accessories

	Item description	specification	material	reference
	Angulation Adapter	0°	titan	S-1000
		15°		S-1015
		25°		S-1025

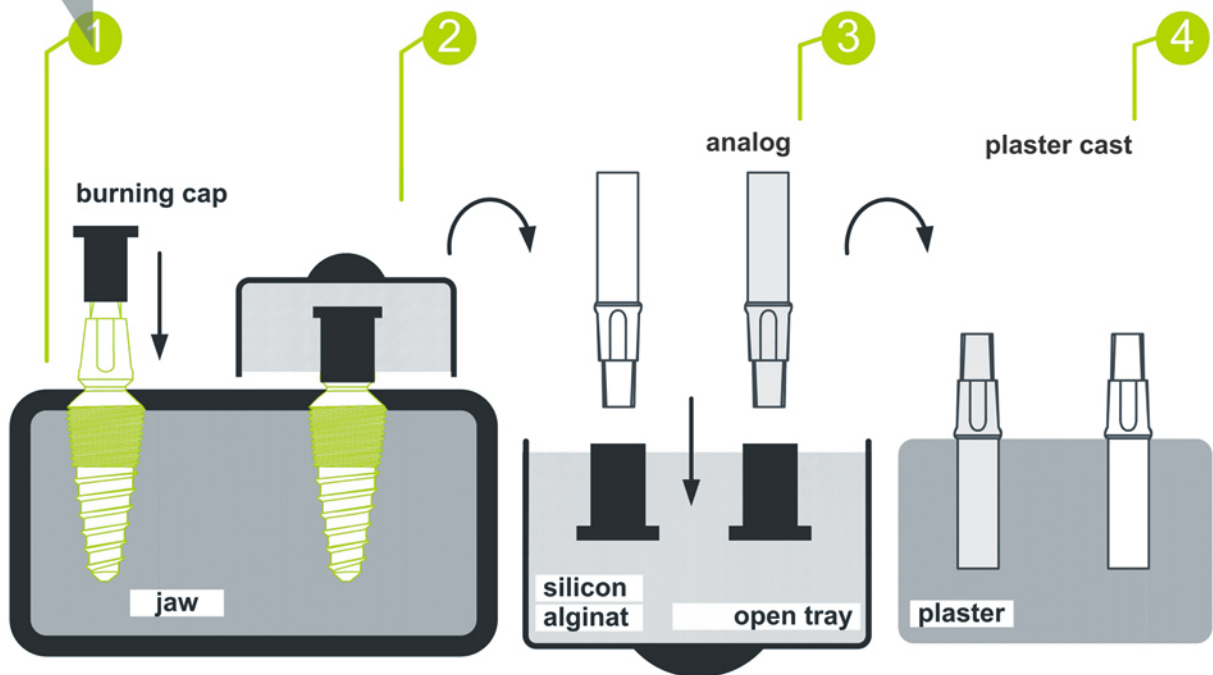
	Item description	specification	material	reference
	Analog-CBP	for CO-X/BI-X	PP	SA-3001
	Analog-CBT	for CO-X/BI-X	titan	SA-3002
	Analog-AA	for Angulation	PP	SA-3125

	Item description	specification	material	reference
	Burning Cap-CB	for CO-X/BI-X	POM	SB-4071
	Burning Cap-CBR	rotation-safe		SB-4072
	Burning Cap-AA	for Angulation		SB-4125
	Impression Cap-CB	for Impression		SI-4073

COX. Tools

	Item description	specification	material	reference
	Insertion Tool-CB	15 mm	steel	T-46015
		20 mm		T-46020
	Marker Drill	1,8 mm	steel	T-1080
	Form Drill	3,2 mm	steel	T-2032
	Form Drill	3,7 mm	steel	T-2037
	D1 Drill	3,4 mm	steel	T-2234
	D1 Drill	3,9 mm	steel	T-2239
	Torque Wrench	20 – 50 Ncm	steel	T-44800
Emergency Key	for CO-X/BI-X	steel	T-49700	

COX. Processing



- 1) Put the burning cap on the inserted implant.
- 2) Take an impression of the implanted situation with a closed tray (silicon/alginat).
- 3) The impression is equipped with implant analog.
- 4) A plaster cast is made out of the impression and the burning cap is separated from the implant analog.

Result

- 1) At given indication prosthetics can be immediately fitted on the implant.
- 2) Within a few days time the final secondary structure shall be cemented.
- 3) An immediate prosthetic splinting through a temporary bridge is recommended.

REITHOERL X

B.I.X.2



B.I.X.2



BIX2. Cortical Screw Implants

The BIX2 screws self-cutting and auto-compressive thread gives very strong anchorage in each type of bone and therefore allows an immediate loading. If they are used right after an extraction they prevent the collapse of the surrounding bone. These implants are also ideal as tuberopterygoid implant.

BIX2 implants are polyvalent, suitable for screwing or gluing and show an aggressive coarse thread and a fine thread as well as a protective tip. These implants also can be employed with confidence at immediate loading, even in the case of a unitary implant. The specific head permits screwing metal supra-structures as well as cementing them.

The advantage of the screw is in the possibility of repairing the prosthesis in case of fracture of the cosmetic part.

	item number	a	b	c	d
	BIX2-4115	4,1	15	6	4,8
	BIX2-4117	4,1	17	7	4,8
	BIX2-4119	4,1	19	8	4,8
	BIX2-4121	4,1	21	9	4,8
	BIX2-3412	3,4	12		4,8
	BIX2-3419	3,4	19		4,8
	BIX2F-3412	3,4	12		4,8
	BIX2F-3419	3,4	19		4,8
	BIX2-3408	3,4	8		4,8
	BIX2F-3408	3,4	8		4,8
	BIX2-3419				
	BIX2F-3412				

a) thread diameter (max)
 b) enossal lenght
 c) thread lenght
 d) abutment diameter (max)



BIX2. Indications

The BIX2 4.1 type was modified by the introduction of new types with different thread forms from length of 8mm up to 19mm. These implants are planned to serve as one part implants with special burning abutments that allow direct screwing of bridges to the implants or can be used in two-parted with screw-in abutments of different heights.

BIX2



BIX2-3419

maxilla: after extraction or not (especially in the region 13-23, depending on the available bone height) and at the tuberopterygoid region when tuberosity is thin
mandible: after extraction in the anterior sector (depending on the bone height)



BIX2-3412

maxilla: after extraction or not (especially in the region 13-23, depending on the available bone height)
mandible: after extraction in the anterior sector (depending on the bone quality until density 2/3)



BIX2-3408

maxilla: after extraction or not, depending on the available bone height

- can be used for crestal sinus augmentation in flapless Phoenix-Lift
- can be used with screw caps or serve as an anchor for the screw prosthesis

BIX2F



BIX2F-3419

maxilla: after extraction or not (especially in the tuberopterygoid region)

- especially in very thin tuberosity
- can be used with screw caps or serve as an anchor for the screw prosthesis

mandible: after extraction in the anterior sector (depending on the bone quality)



BIX2F-3412

maxilla: after extraction or not (especially in the tuberopterygoid region)

- can be used with screw caps or serve as an anchor for the screw prosthesis
- can be used for cementing with Offset-Abutment (SOA-9900)

mandible: after extraction in the anterior sector (depending on the bone quality)



BIX2F-3408

mandible: after extraction in the anterior sector (depending on the bone quality)

- posterior zones when height upper the dental nerve is very thin



BIX2. Accessories

	Item description	specification	material	reference
	Offset-Abutment	CO-X/BI-X	titan	SOA-9900
	Angulation Adapter	0°	titan	S-1000
		15°		S-1015
		25°		S-1025
	Analog CBP	for CO-X/BI-X	PP	SA-3001
	Analog CBT	for CO-X/BI-X	titan	SA-3002
	Analog AA	for Angulation	PP	SA-3125
	Burning Cap-CB	for CO-X/BI-X	POM	SB-4071
	Burning Cap-CBR	rotation safe		SB-4072
Burning Cap-AA	for Angulation	SB-4125		
Impression Cap-CB	for Impression		SI-4073	



BIX2. Tools

	Item description	specification	material	reference
	Insertion Tool X2	15 mm	steel	T-45015
		25 mm		T-45025
		45 mm		T-45045
	HEX-Key handle	15 mm	steel	T-44520
		40 mm		T-44521
	HEX-Key manual	10 mm	steel	T-44522
		20 mm		T-44523
	Insertion Tool X2	for handle	steel	T-44004
	Cleaning Key	for insertion tool	steel	T-44500
	Torque Wrench	20 – 50 NCm	steel	T-44800
	Form Drill	for BI-X2	steel	T-2002
	D1 Drill	4,6 mm	steel	T-2246
	Drilladapter	for handle	steel	T-30840



ACHIEVE
THE
ULTIMATE

Quality Management

The products of Phoenix Implants are produced, packed and sterilised in Germany according to the highest quality and environmental standards. The Phoenix Implants quality system is in compliance with stringent requirements and certified according to all legal obligations for medical devices.

Phoenix Implants are made of the **most advanced materials** (nickel-free titanium grade IV for all metallic parts, PEEK-Optima and other state-of-the-art composites for the plastic parts). In most cases the exceptional virtues of the system permit to use it at **immediate loading**.

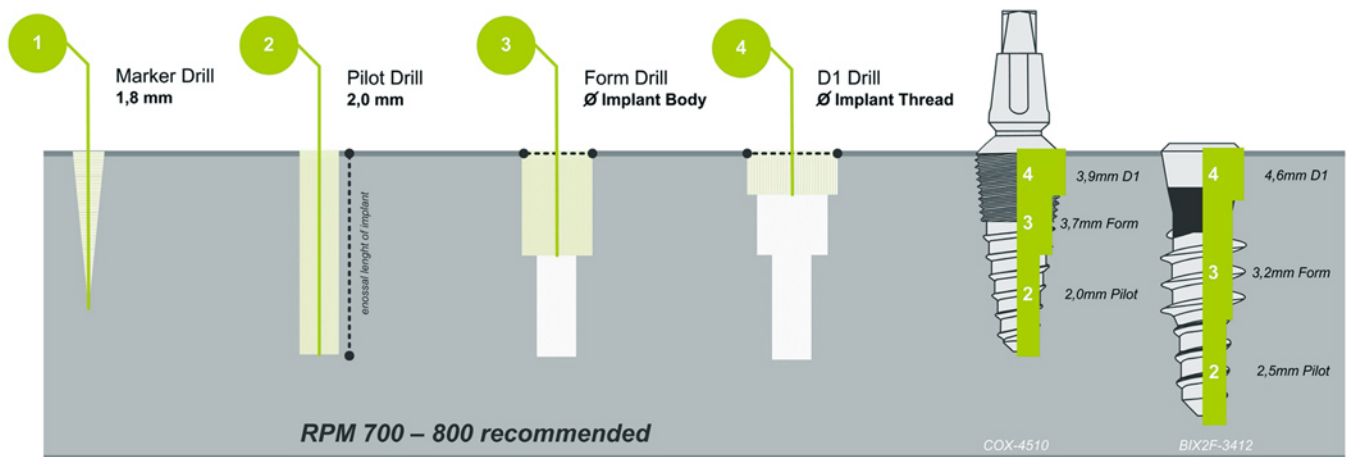
Highest Quality

THE PHOENIX SYSTEM COVERS THE FOLLOWING IMPLANT-CATEGORIES:

- ✕ **AUTO-COMPRESSIVE ONE-PIECE IMPLANTS**
- ✕ **BICORTICAL ONE-PIECE AND TWO-PIECE IMPLANTS**
- ✕ **SUBPEREOSTEAL PLATE IMPLANTS**

Highest Standards  **Fraunhofer**
IWM

Drilling sequences



- 1)** Mark the drilling point with a predrilling by the use of a conic triangular drill of 1,8 mm in diameter
- 2)** Prepare the bone over the enossal length of the implant with a cylindric 2,0 mm or 2,5 mm drill
- 3)** If necessary, widen the drilling with a cylindric form drill according to the max. diameter of the implant body
- 4)** In case of hard cortical bone, use a D1 drill according to the overall diameter of the implant



Conduct following steps for:

BI-X Implant: step 1 plus step 2

CO-X Implant: step 1, step 2 and step 3, if indicated add step 4

BI-X2 & BI-X2F Implant: step 1, step 2 and step 3, if indicated add step 4



HELLO



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CE₁₀₂₃
CE-sign



Instruction for Use



Suitable for single use only

STERILE R

Sterilized



Note optimale storage temperature



Not suitable for repeated sterilization



Do not use damaged packings

LOT 120410964

Batch number

REF IS50085

Ref Number



Expiry date