

# biOMETRIC



**PRODUCT CATALOGUE**

[www.biometricdental.com](http://www.biometricdental.com)

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# biOMETRIC

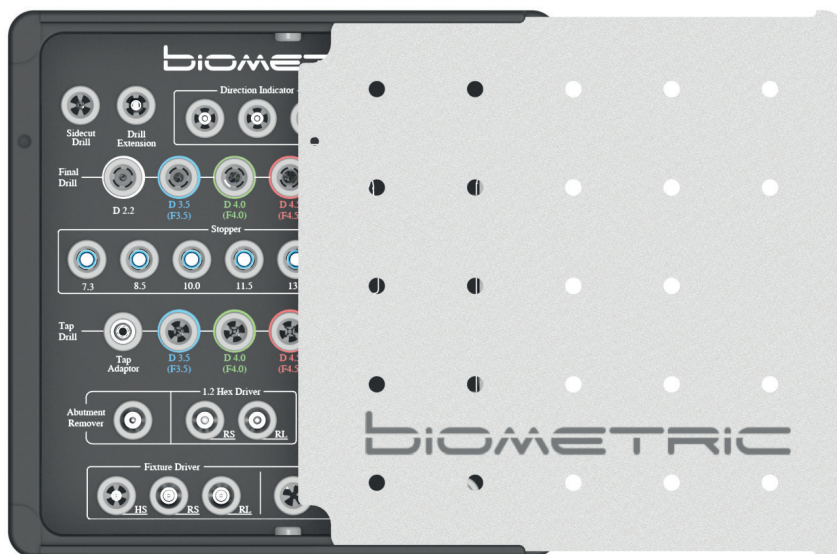
## THE CONCEPT

- Simple and universal fixture geometry
- Sharp conical connection for strong fixation, bone overgrowth and better force distribution; no micro gap and micro movement
- SLA surface treatment – different roughness in platform area
- Self tapping and drilling design – aggressive in soft bone and gentle in cortical areas, force direction to apical part of implant
- Simple universal kit and less instruments
- Designed for tissue care and aesthetic results
- Compatible with CAD CAM systems and prosthetic solutions



# BIOMETRIC INSTRUMENT KIT

## Introduction



### DESIGN

The Biometric instrument kit is designed to keep the surgical and prosthetic instrument set as simple as possible and to prevent mistakes during implant surgery or maintenance. Biometric's philosophy is to protect the environment and act responsibly.

### MATERIALS

High-quality materials have been used to create a long-lasting and durable product. An aluminum (AL6061) metal case and slide cover are able to be placed into the autoclave thousands of times and are suitable for heavy use. All materials are recyclable, and no plastic has been used in our product.

### FULLY AUTOCLAVABLE

The shape and size of the Biometric surgical kit are designed to fit any kind of autoclave. As many as two or three kits, including surgical instruments, can be placed into the autoclave at once.



# BIOMETRIC INSTRUMENT KIT

## Contents



### SIDECUT DRILL

The sharp TrimRite® stainless steel Lindemann drill (a sidecut drill) is useful as a pointing instrument. It also has a side-cut effect to correct implant angulation.



### DRILL EXTENSION

The drill extension has a unique design. It's extremely safe to use – a perfect fit with all other surgical instruments without a risk of losing any parts during critical surgical steps. The instrument is used in complicated situations where more length is needed. The drill extension is also useful for implant insertion with an HS fixture driver.

### DIRECTION INDICATOR

Direction indicators are useful for checking single implant angulation during preparation. This step is important for screw-fixed prosthodontics or use of a CAD-CAM TI-Base. Indicators are also essential for paralleling multiple implants.

### FINAL DRILLS

High-quality and long lasting TrimRite® stainless steel final drills are color coded and laser marked. A simple and effective design helps to avoid over-heating of the bone and has several cutting zones to prevent vibration during preparation - no need for internal cooling. Working speed is a max of 2000 rpm. Attention! It is highly recommended to replace drills after 25-30 surgeries to avoid any heat damage!

### STOPPERS

Stoppers are useful for safe surgery. No need to focus on laser marks, and no need to calculate depth. Stoppers are designed for the specific implant length + 1 mm for correct implant positioning (1 mm subcrestal).



# BIOMETRIC INSTRUMENT KIT

## Contents

### TAP INSTRUMENTS

Tap instruments are designed both for bone condensing and preparation of delicate cortical bone. Tapping helps to avoid overcondensing of the strong bone, which may lead to bone loss and implant failure.



### HEX DRIVERS

The 1.2 HEX driver is used to match both healing abutments and final prosthetic components. The 1.7 HEX driver and 0.9 HEX driver are used to fix spacers and membrane screws.

### ABUTMENT REMOVER

The abutment remover is useful for opening already tightened abutments. The abutment remover is also recommended for use in dental labs. The abutment HEX is a delicate structure and can be distorted using inappropriate devices.



### FIXTURE DRIVERS

Fixture drivers are designed to fit perfectly into an implant's internal thread slot. Be careful with insertion - all force over 50-60 Ncm may lead to distortion of internal implant structures and can cause failure.

### TORQUE DRIVER

The torque driver is a universal instrument for HEX drivers used in surgery or prosthetic procedures.



### DEPTH GAUGE

The depth gauge has laser marked tip and depth marks. All measurements have been calculated with the principle of +1 mm to avoid incorrect implant positioning.





#### Insertion torque

Submerged approach: 10-20 Ncm.

















Nonsubmerged approach: 20-30 Ncm.

Immediate loading: 30-40 Ncm.

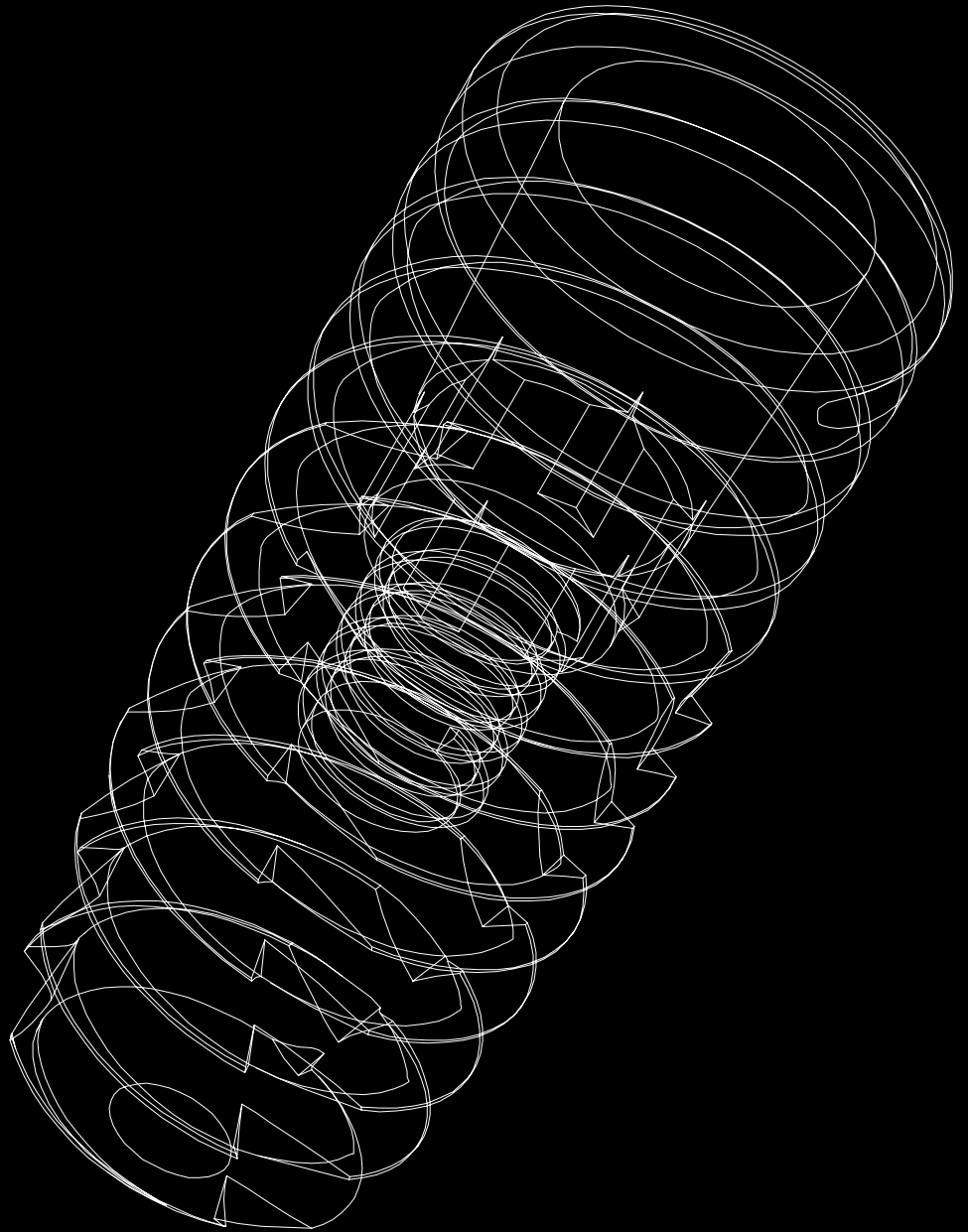
Do not exceed 40 Ncm.



# BIOMETRIC PRODUCT CHART

Fixture	Healing		Impression coping	Lab analog	Abutment	CAD-CAM	
							
Fixture	Spacer	Healing abutment	Pick-up impression	Regular lab analog	Rescue abutment	Sirona-Cerec Ti base straight	CAD-CAM scannable healing abutment
							
Cover screw	Membrane fixing screw / Access screw	Individual healing abutment	Transfer impression		Cemented abutment	Sirona-Cerec Ti base angled	CAD-CAM lab analog
							
					Angled abutment		





# BIOMETRIC FIXTURE

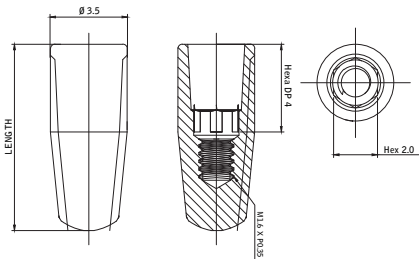
## Regular platform

\* Material: Titanium Gr4

### Diameter Ø 3,5 mm



Length, mm	8,5	10,0	11,5	
Prod. code	BFR3508	BFR3510	BFR3511	Cover screw included

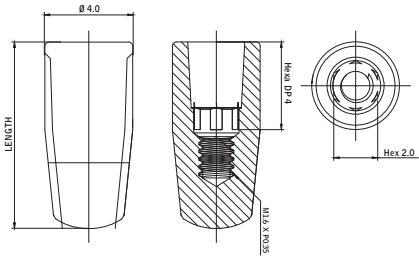


### Diameter Ø 4,0 mm



Cover screw included

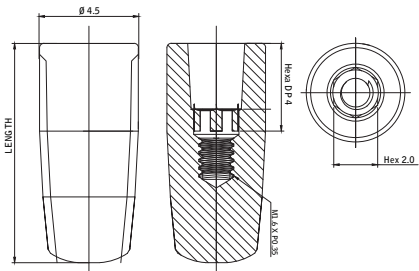
Length, mm	7,3	8,5	10,0	13,0	15,0
Prod. code	BFR4007	BFR4008	BFR4010	BFR4013	BFR4015



### Diameter Ø 4,5 mm

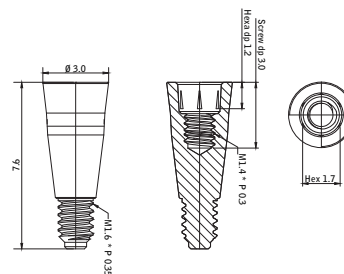


Length, mm	10,0	11,5	13,0	
Prod. code	BFR4510	BFR4511	BFR4513	Cover screw included



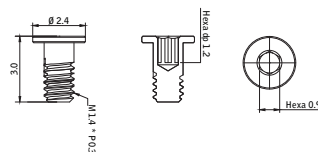
# MEMBRANE FIXING SCREW WITH SPACER / ACCESS SCREW

Diameter Ø 3,0 mm. Length 7,6 mm



Prod. code BSM3076

Diameter Ø 2,4 mm. Length 3,0 mm  
2 mm higher than standard cover screw



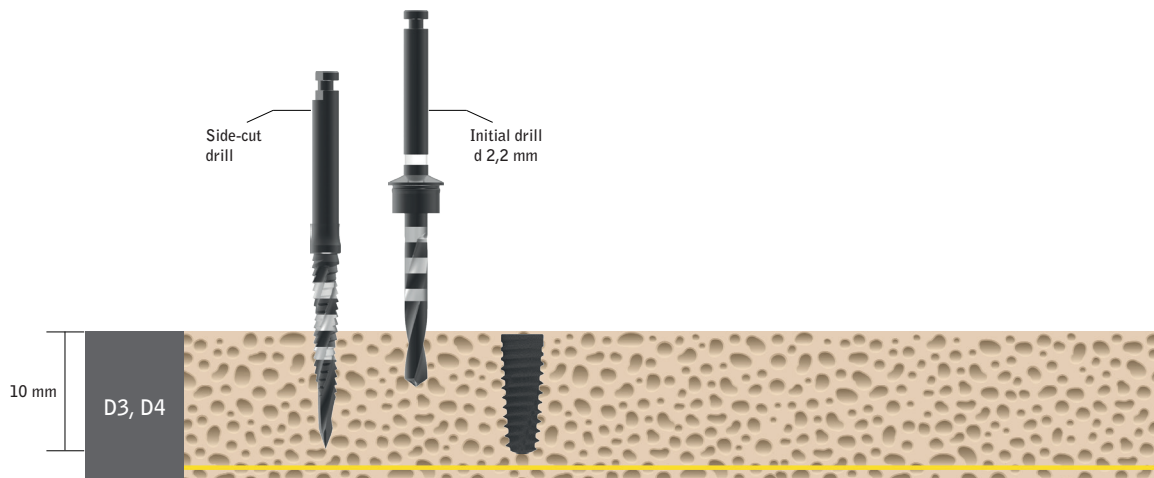
Prod. code BSA2430

# PROTOCOL

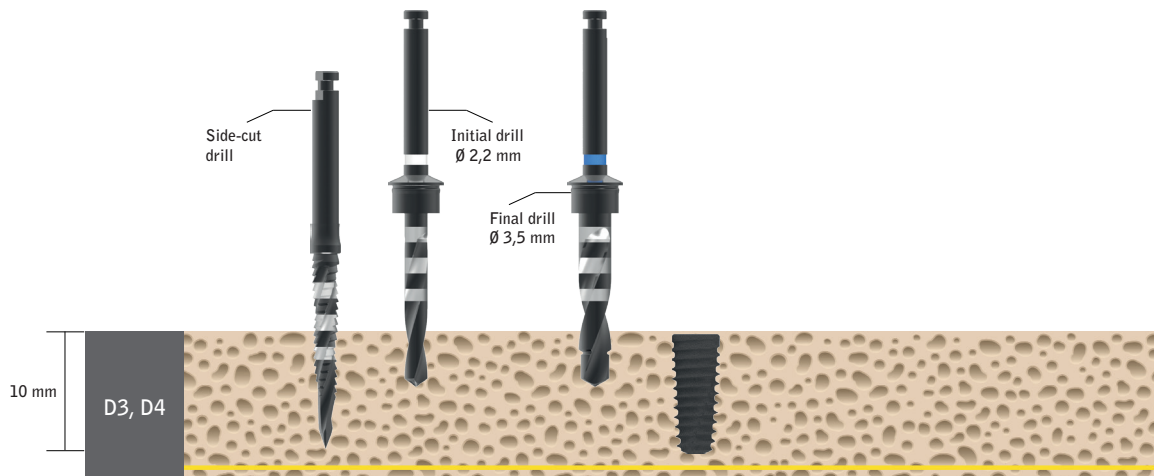
## Biometric fixture drilling sequence

Bone structure D3 and D4

Biometric fixture  $\varnothing$  3,5 mm, bone structure D3 and D4



Biometric fixture  $\varnothing$  4,0 mm, bone structure D3 and D4

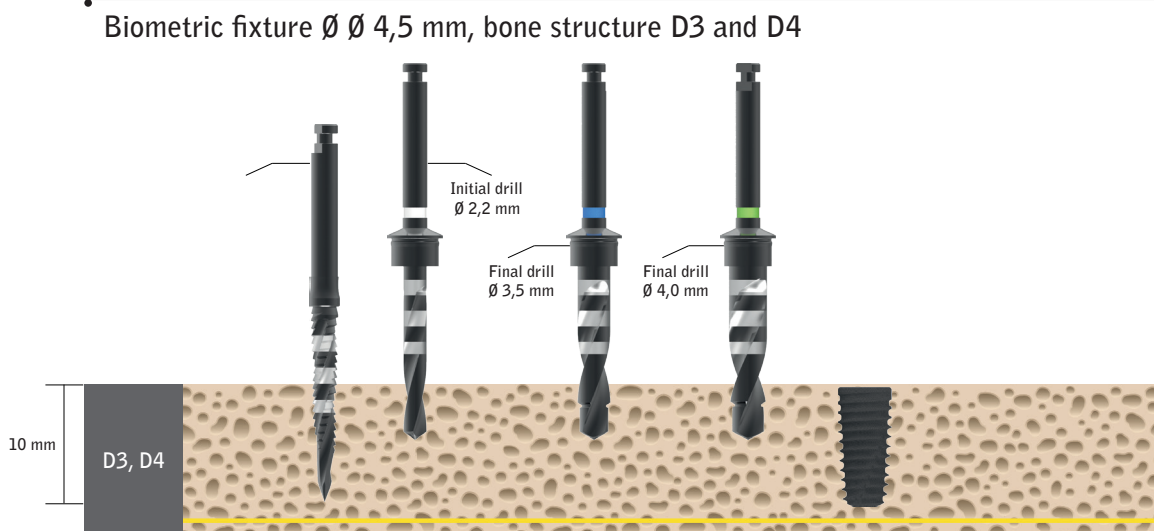




# PROTOCOL

## Biometric fixture drilling sequence

*Bone structure D3 and D4*



### NB

All depth-marks on instruments include +1 mm for correct implant positioning.

### NB

Use sharp probe or side cut drill for direction marking and bone sounding.

### NB

Drill only 1/3 length with initial Ø 2,2 mm drill if necessary.

### NB

Position implant at least 1 mm deeper from the crest.

### TIP

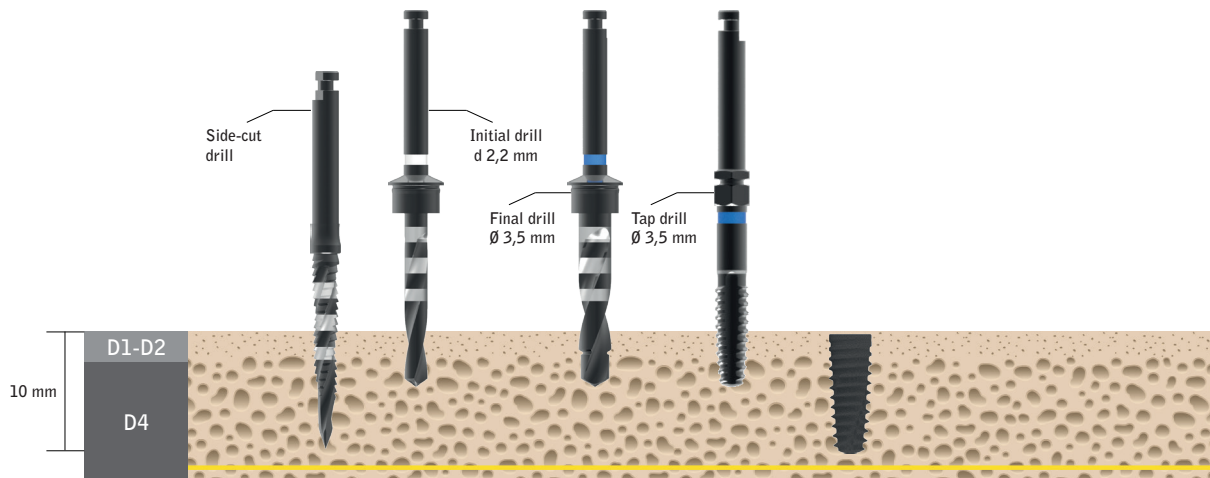
Use Ø 3,5 mm tap drill for bone condensing and insert Ø 4,5 mm implant to avoid bone damage and spinning effect.

# PROTOCOL

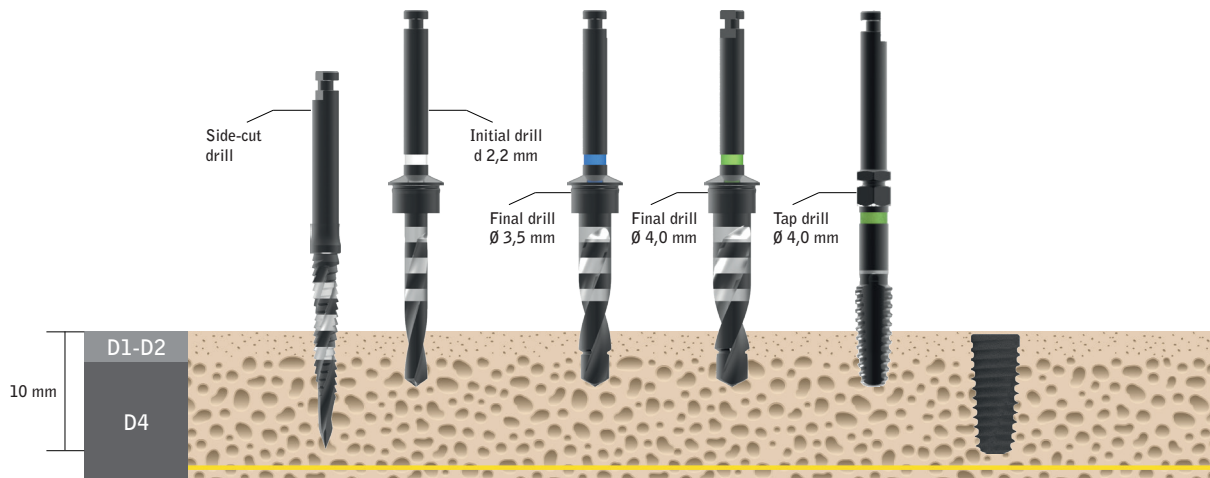
## Biometric fixture drilling sequence

Bone structure D1-D2/D4

Biometric fixture  $\varnothing$  3,5 mm, bone structure D1-D2/D4



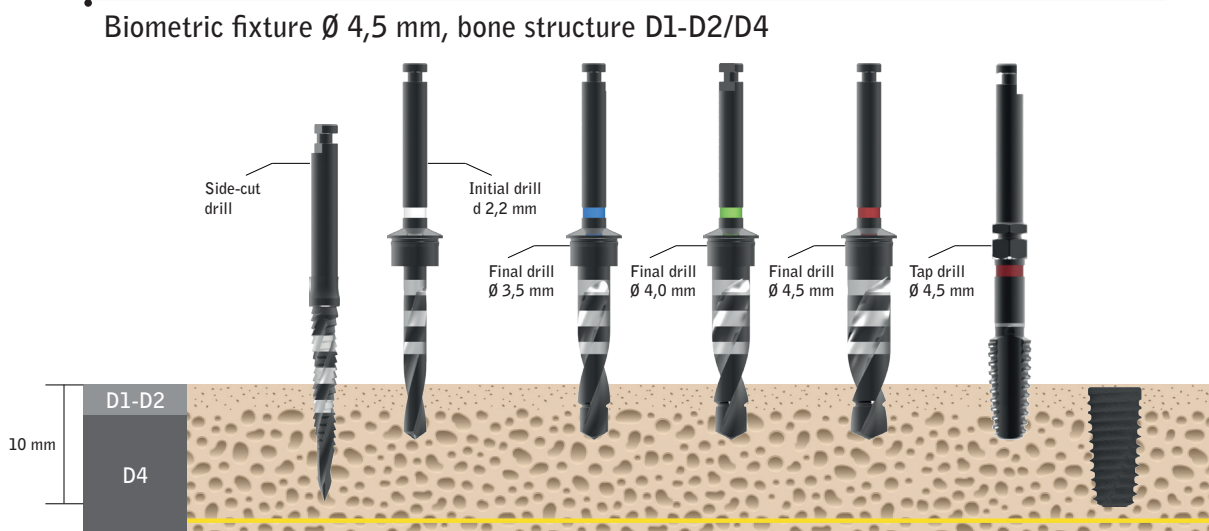
Biometric fixture  $\varnothing$  4,0 mm, bone structure D1-D2/D4



# PROTOCOL

## Biometric fixture drilling sequence

Bone structure D1-D2/D4



NB

All depth-marks on instruments include +1 mm for correct implant positioning.

NB

Only cortical drilling, only cortical pre tap.

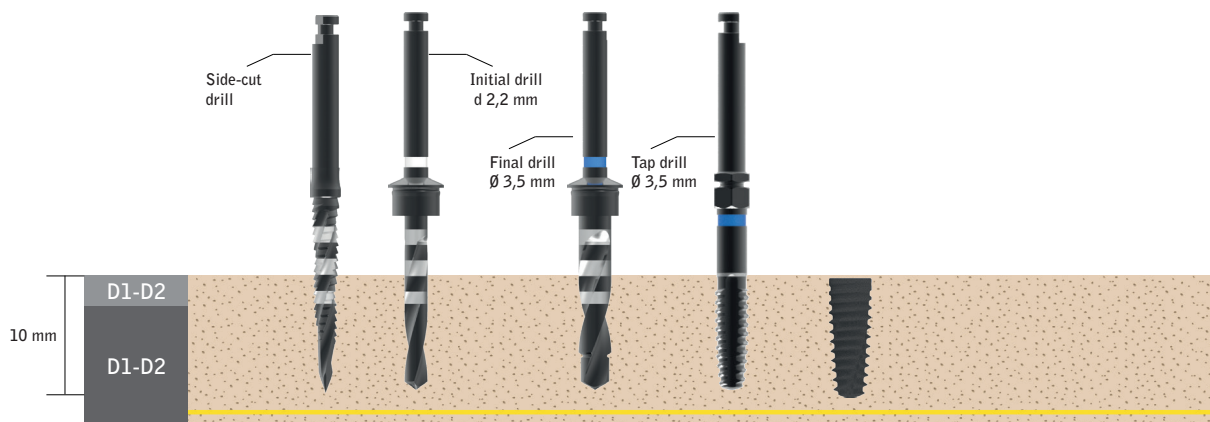
NB

Position implant at least 1 mm deeper from the crest.

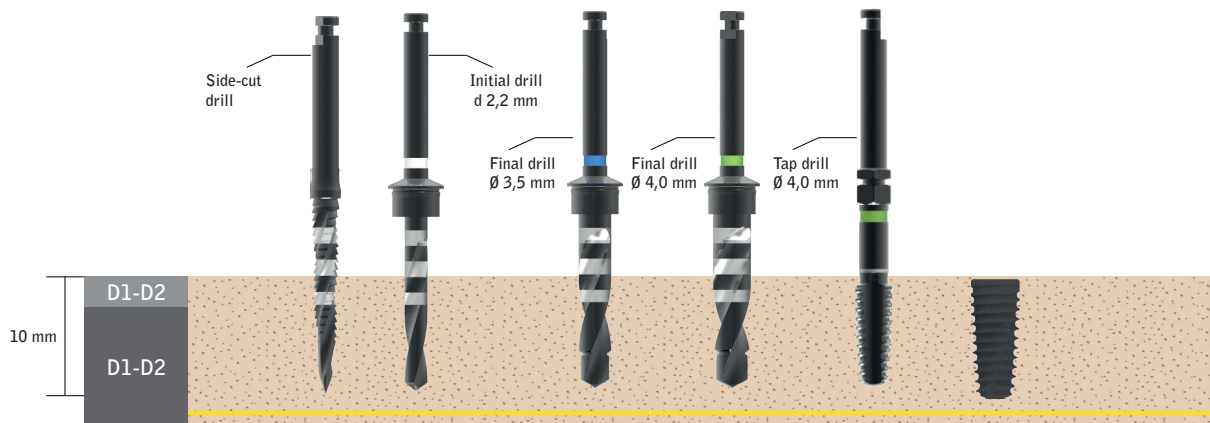
# 

Bone structure D1-D2

Biometric fixture  $\varnothing$  3,5 mm, bone structure D1-D2



Biometric fixture  $\varnothing$  4,0 mm, bone structure D1-D2



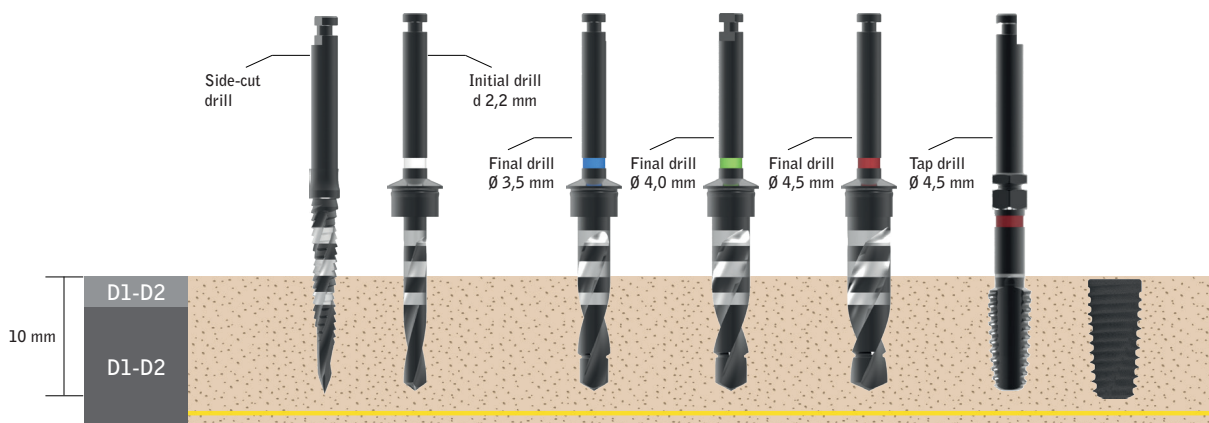


# PROTOCOL

## Biometric fixture drilling sequence

Bone structure D1-D2/D4

Biometric fixture  $\varnothing$  4,5 mm, bone structure D1-D2

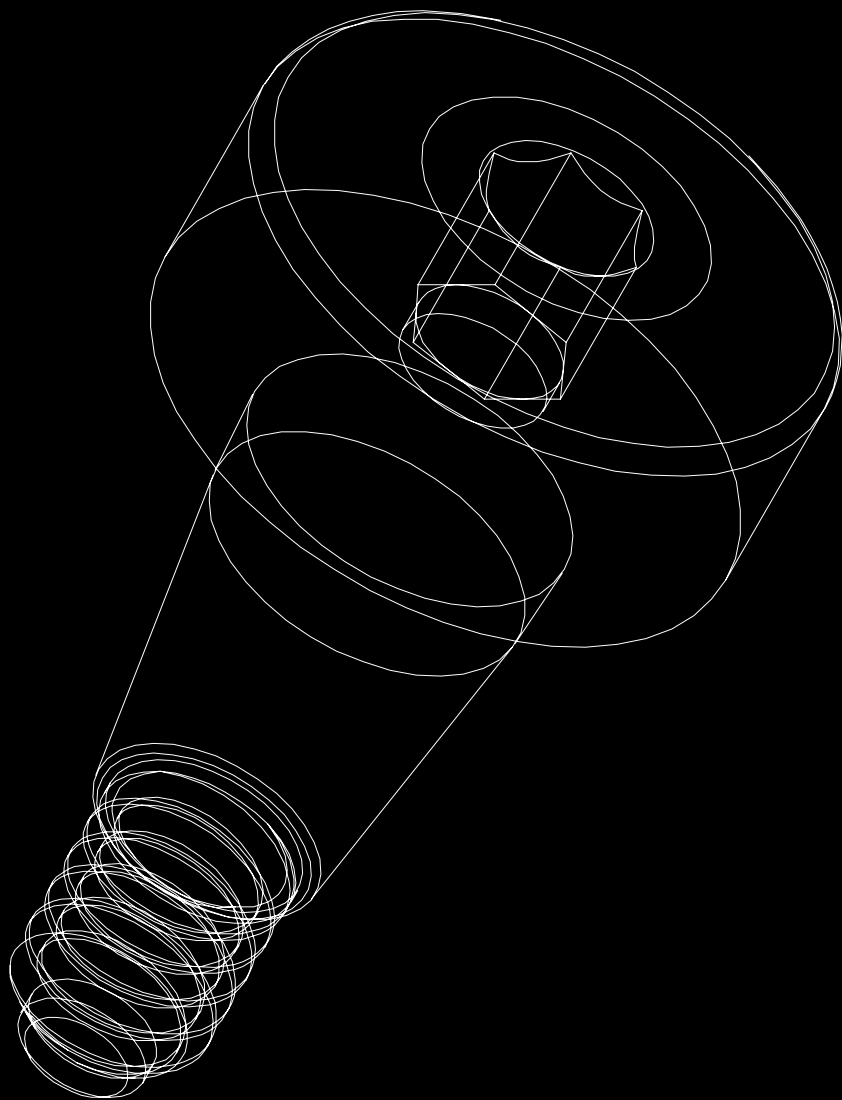


NB

All depth-marks on instruments include +1 mm for correct implant positioning.

NB

Position implant at least 1 mm deeper from the crest.



# HEALING ABUTMENT

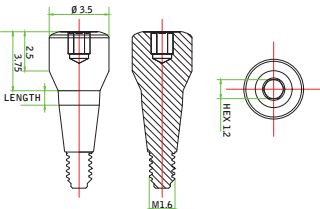
Temporary restorations for contouring of the soft tissue

\* Tightening torque 8~10 Ncm

Diameter Ø 3,5 mm



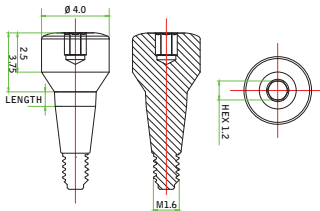
Length, mm	0,6	1,6	2,6
Prod. code	BHA3501	BHA3502	BHA3503



Diameter Ø 4,0 mm



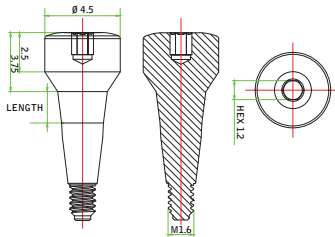
Length, mm	0,6	1,6	2,6
Prod. code	BHA4001	BHA4002	BHA4003



Diameter Ø 4,5 mm



Length, mm	0,6	1,6	2,6
Prod. code	BHA4501	BHA4502	BHA4503



# HEALING ABUTMENT

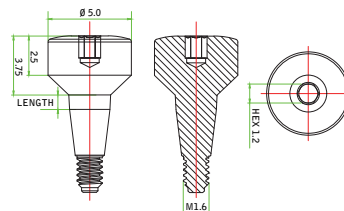
Temporary restorations for contouring of the soft tissue

\* Tightening torque 8~10 Ncm

Diameter Ø 5,0 mm



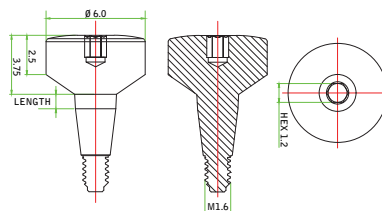
Length, mm	0,6	1,6	2,6
Prod. code	BHA5001	BHA5002	BHA5003



Diameter Ø 6,0 mm



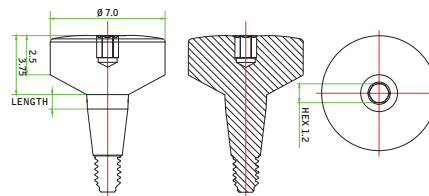
Length, mm	0,6	1,6	2,6
Prod. code	BHA6001	BHA6002	BHA6003



Diameter Ø 7,0 mm



Length, mm	0,6	1,6	2,6
Prod. code	BHA7001	BHA7002	BHA7003





# HEALING ABUTMENT

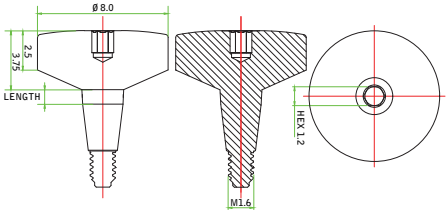
Temporary restorations for contouring of the soft tissue

*\* Tightening torque 8~10 Ncm*

Diameter Ø 8,0 mm

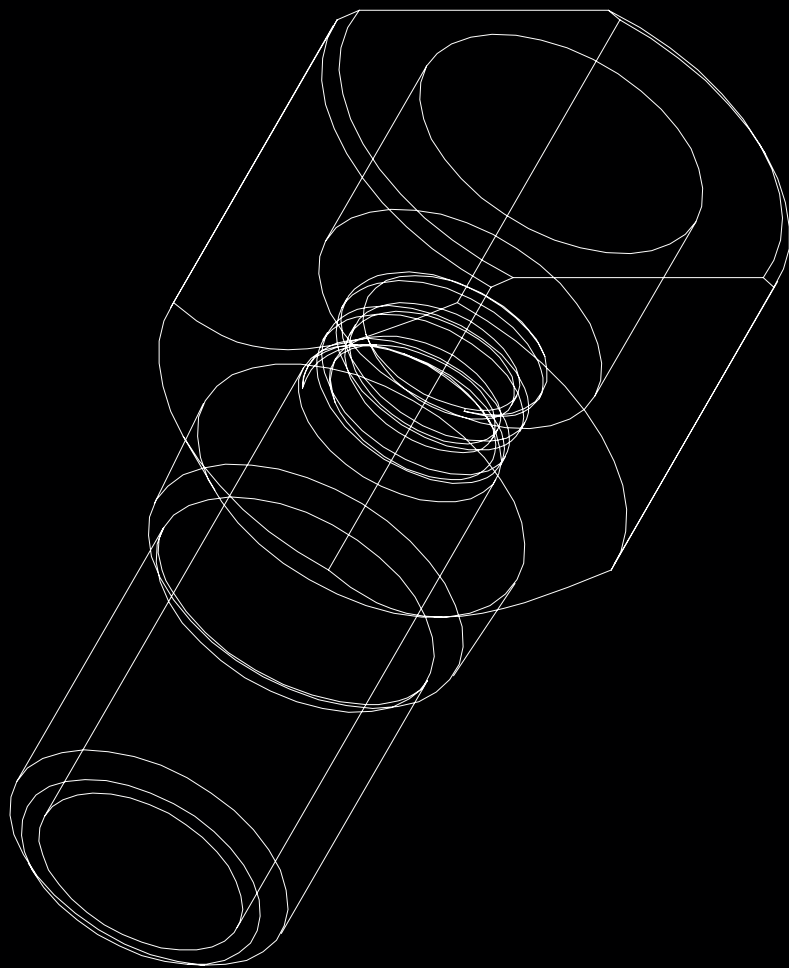


Length, mm	0,6	1,6	2,6
Prod. code	BHA8001	BHA8002	BHA8003



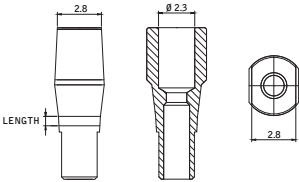
TIP

Wide healing abutment helps to create better soft tissue contour after tooth extraction or closing fresh extraction socket after implantation.

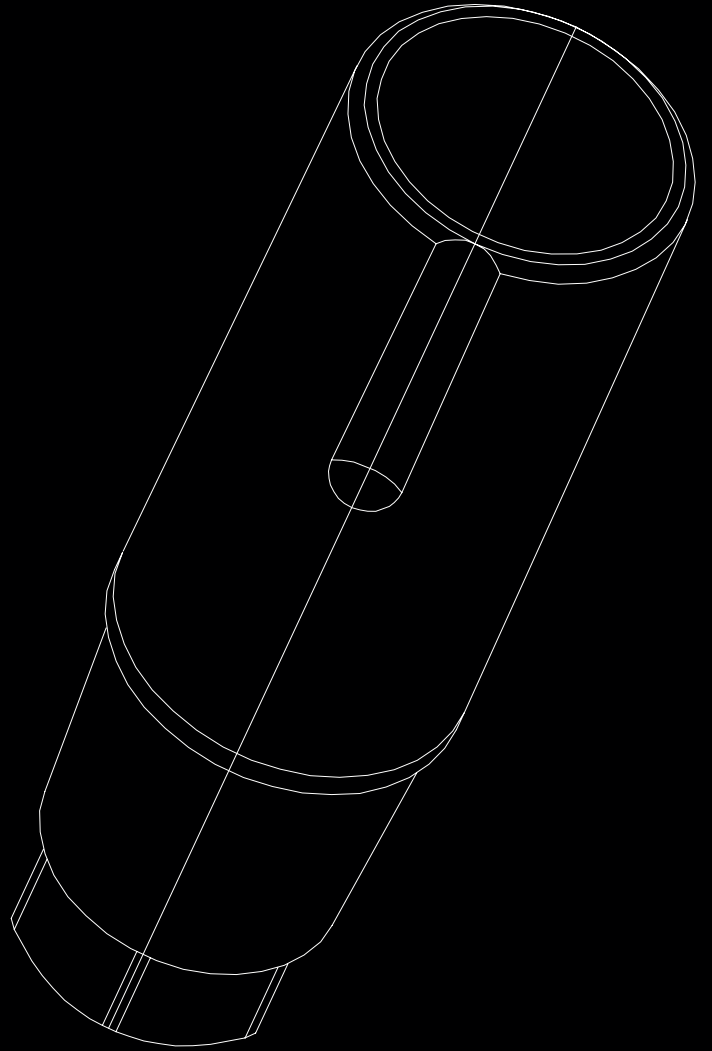


# INDIVIDUAL HEALING ABUTMENT

Diameter Ø 3,5 mm



Length, mm	0,6	2,6	Abutment screw included
Prod. code	BIHA3501	BIHA3503	

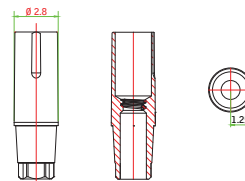


# RESCUE ABUTMENT

**Cementable on screw-retained abutment for single tooth and bridges**

*\* Customisable by grinding \* Tightening torque 30 Ncm*

Diameter Ø 2,8 mm



Prod. code

BRA2800

Abutment screw included

## TIP

In case of bone remodelling or reduction, rescue abutment helps to place the crown margin directly on implant neck.

# CEMENTED ABUTMENT

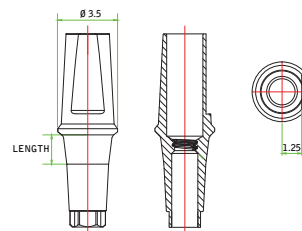
Cementable on screw-retained abutment for single tooth and bridges

\* Customisable by grinding \* Tightening torque 30 Ncm

Diameter Ø 3,5 mm



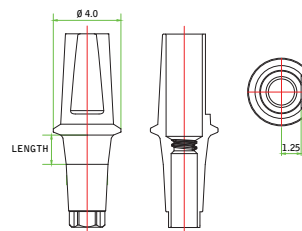
Length, mm	0,6	1,6	2,6	Abutment screw included
Prod. code	BCA3501	BCA3502	BCA3503	



Diameter Ø 4,0 mm



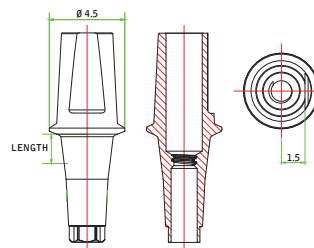
Length, mm	0,6	1,6	2,6	Abutment screw included
Prod. code	BCA4001	BCA4002	BCA4003	



Diameter Ø 4,5 mm



Length, mm	0,6	1,6	2,6	Abutment screw included
Prod. code	BCA4501	BCA4502	BCA4503	





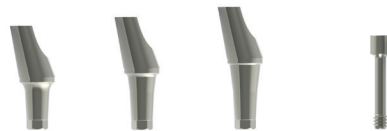


# ANGLED ABUTMENT

Cementable on screw-retained abutment for single tooth and bridges

*\* Abutment screw included \* Tightening torque 30 Ncm*

Diameter Ø 3,5 mm. Angle 15°



Length, mm	0,6	1,6	2,6	Abutment screw included
Prod. code	BAA35151	BAA35152	BAA35153	

Diameter Ø 3,5 mm. Angle 25°



Length, mm	0,6	1,6	2,6	Abutment screw included
Prod. code	BAA35251	BAA35252	BAA35253	

# ANGLED ABUTMENT

Cementable on screw-retained abutment for single tooth and bridges

*\* Abutment screw included \* Tightening torque 30 Ncm*

Diameter Ø 4,5 mm. Angle 15°

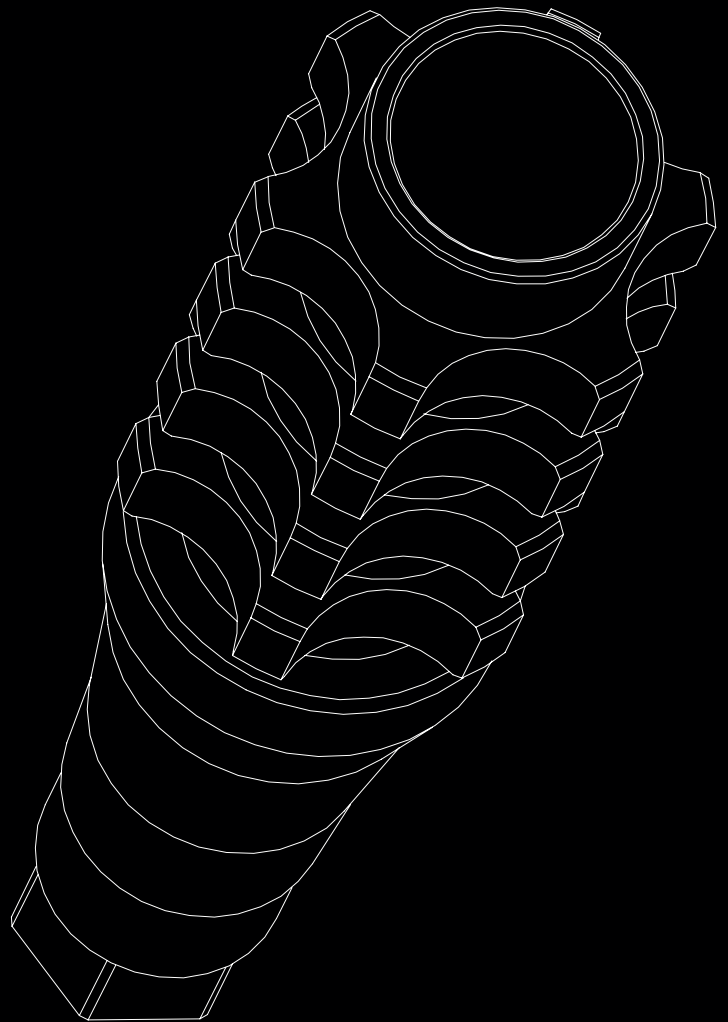


Length, mm	0,6	1,6	Abutment screw included
Prod. code	BAA45151	BAA45152	

Diameter Ø 4,5 mm. Angle 25°



Length, mm	0,6	1,6	Abutment screw included
Prod. code	BAA45251	BAA45252	



# PICK-UP IMPRESSION

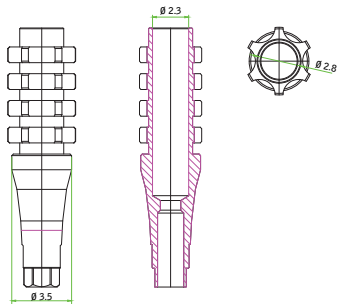
## Pick-up impression coping

\* Pick-up guide pin included \* Tightening torque 8~10 Ncm

### Diameter Ø 3,5 mm



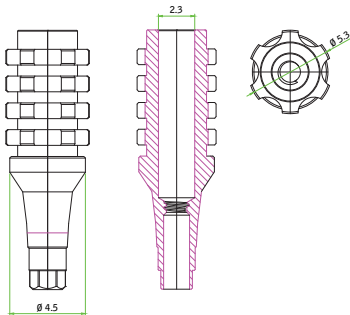
Length	Short	Long
Prod. code	BPI35S	BPI35L



### Diameter Ø 4,5 mm



Length, mm	Short	Long
Prod. code	BPI45S	BPI45L



### Pick-up guide pins



Length	Short	Long
Prod. code	BPIGPS	BPIGPL

# TRANSFER IMPRESSION

## Transfer impression coping

*\* Transfer guide pin included \* Tightening torque 8~10 Ncm*

Diameter Ø 3,5 mm



Length	Short	Long
Prod. code	BTI35S	BTI35L

Diameter Ø 4,5 mm



Length, mm	Short	Long
Prod. code	BTI45S	BTI45L

Transfer guide pins



Length	Short	Long
Prod. code	BTIGPS	BTIGPL

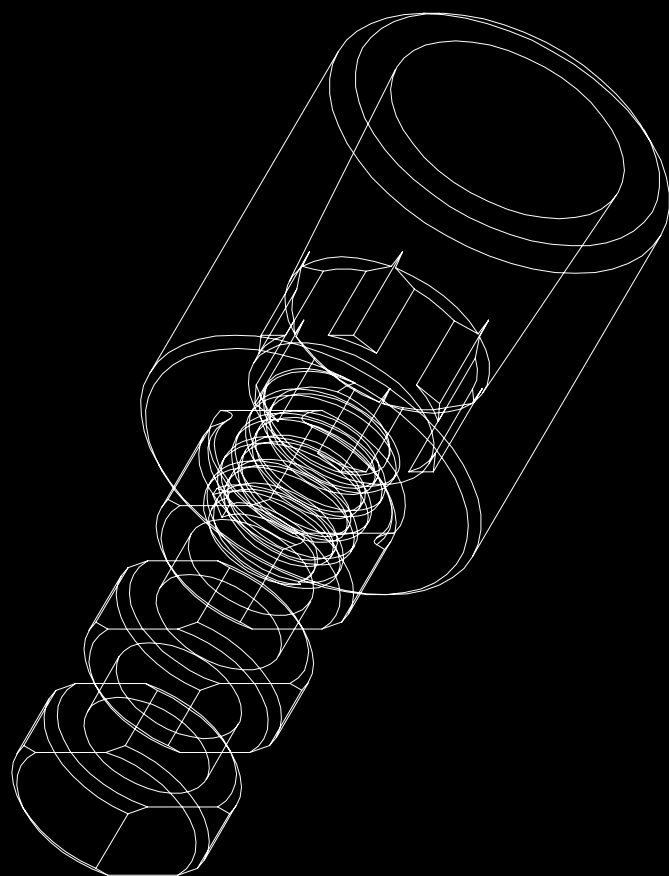
# REGULAR LAB ANALOG

Not suitable for 3D printed models



Prod. code

BLAR



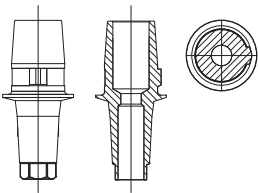
# SIRONA-CEREC TI BASE STRAIGHT

*\* Fixing screw & Sirona-Cerec scan body included*

Diameter Ø 4,3 mm



Length, mm	1,0	2,0	3,0	Fixing screw and scan body included
Prod. code	BCTA4501	BCTA4502	BCTA4503	

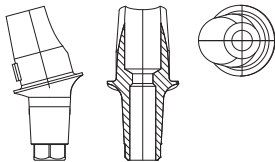
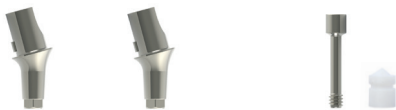




# SIRONA-CEREC TI BASE ANGLED

*\* Fixing screw & Sirona-Cerec scan body included*

Diameter Ø 4,3 mm. Angle 15°

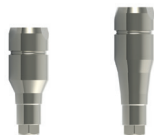


Length, mm	2,0	3,0	Fixing screw and scan body included
Prod. code	BCTAA4502	BCTAA4503	

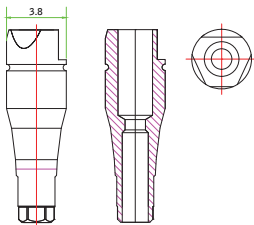
# SCAN BODY

## Scannable healing abutment

Diameter  $\varnothing$  3,5 mm



Length	Short	Long	Abutment screw included
Prod. code	BSB35S	BSB35L	

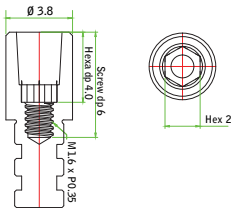


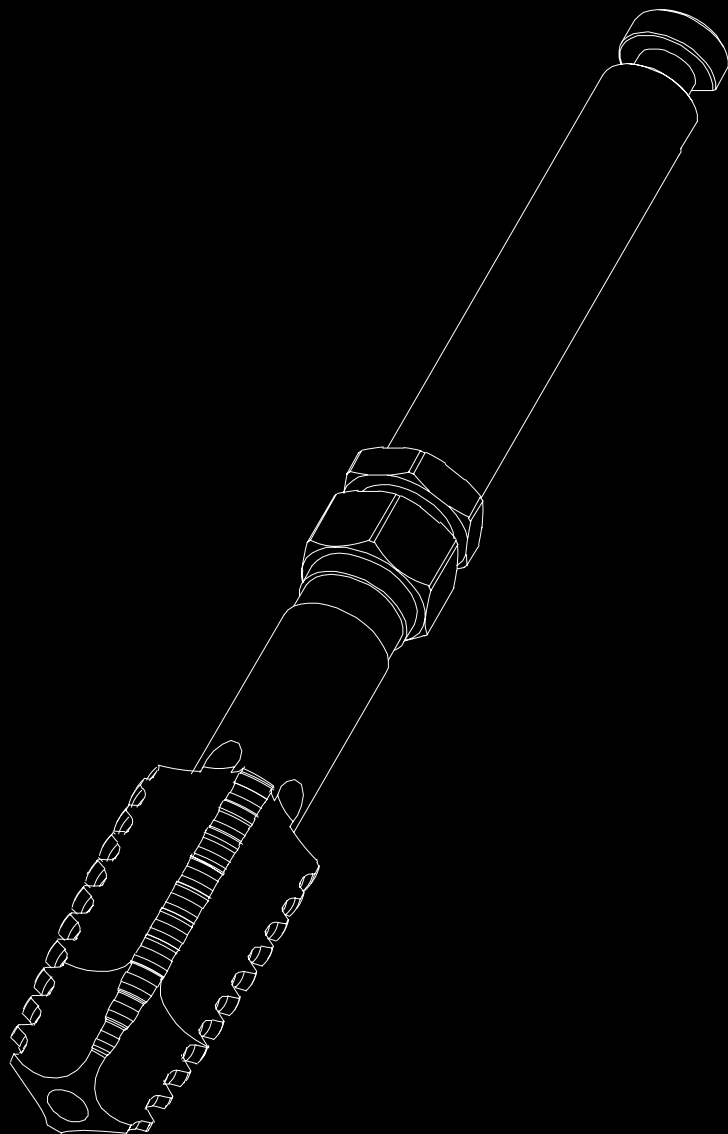
# CAD-CAM LAB ANALOG

## For 3D-printed models



Prod. code	BLA
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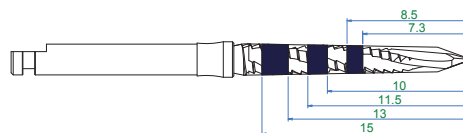




# INSTRUMENTS



## Lindemann drill / side-cut drill



Prod. code BDP22

All depth-marks include +1 mm of margin.

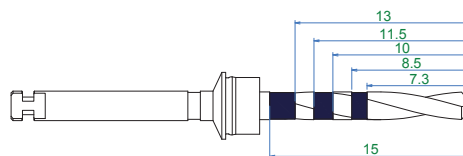
## Direction indicator



Prod. code BDI



## Final drill 2,2 mm, length 16 mm



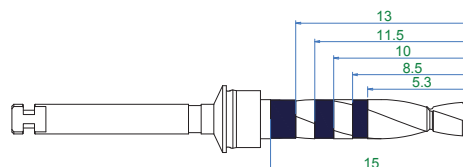
Prod. code BFD22

All depth-marks include +1 mm of margin.

# INSTRUMENTS



Final drill 3,5 mm, length 16 mm

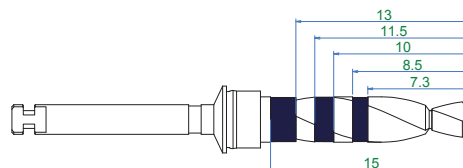


Prod. code BFD35

All depth-marks include +1 mm of margin.



Final drill 4,0 mm, length 16 mm

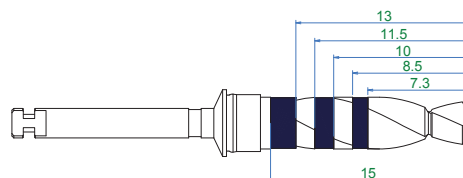


Prod. code BFD40

All depth-marks include +1 mm of margin.



Final drill 4,5 mm, length 16 mm



Prod. code BFD45

All depth-marks include +1 mm of margin.

# INSTRUMENTS



• Tap drill 3,5 mm

Prod. code	BTD35
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• Tap drill 4,0 mm

Prod. code	BTD40
------------	-------



• Tap drill 4,5 mm

Prod. code	BTD45
------------	-------

# INSTRUMENTS

## Tap adaptor



Prod. code	BTDA
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## Stoppers



Length, mm	7,3	8,5	10,0	11,5	13,0	15,0
Prod. code	BST73	BST85	BST10	BST11	BST13	BST15

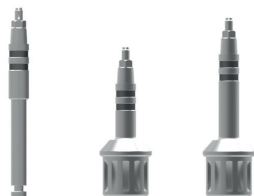
## HEX drivers



HEX	0,9	1,2 short	1,2 long	1,7
Prod. code	BHD09	BHD12S	BHD12L	BHD17

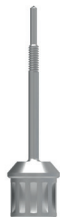
# INSTRUMENTS

## Fixture drivers



Prod. code	BFDM	BFDHS	BFDHL
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## Abutment remover



Prod. code	BAR
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## Drill Extension



Prod. code	BDE
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## INSTRUMENTS

### Depth gauge



Prod. code	BDG	All depth-marks on instrument include +1 mm for correct implant positioning.
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Torque wrench



Prod. code	BTW
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