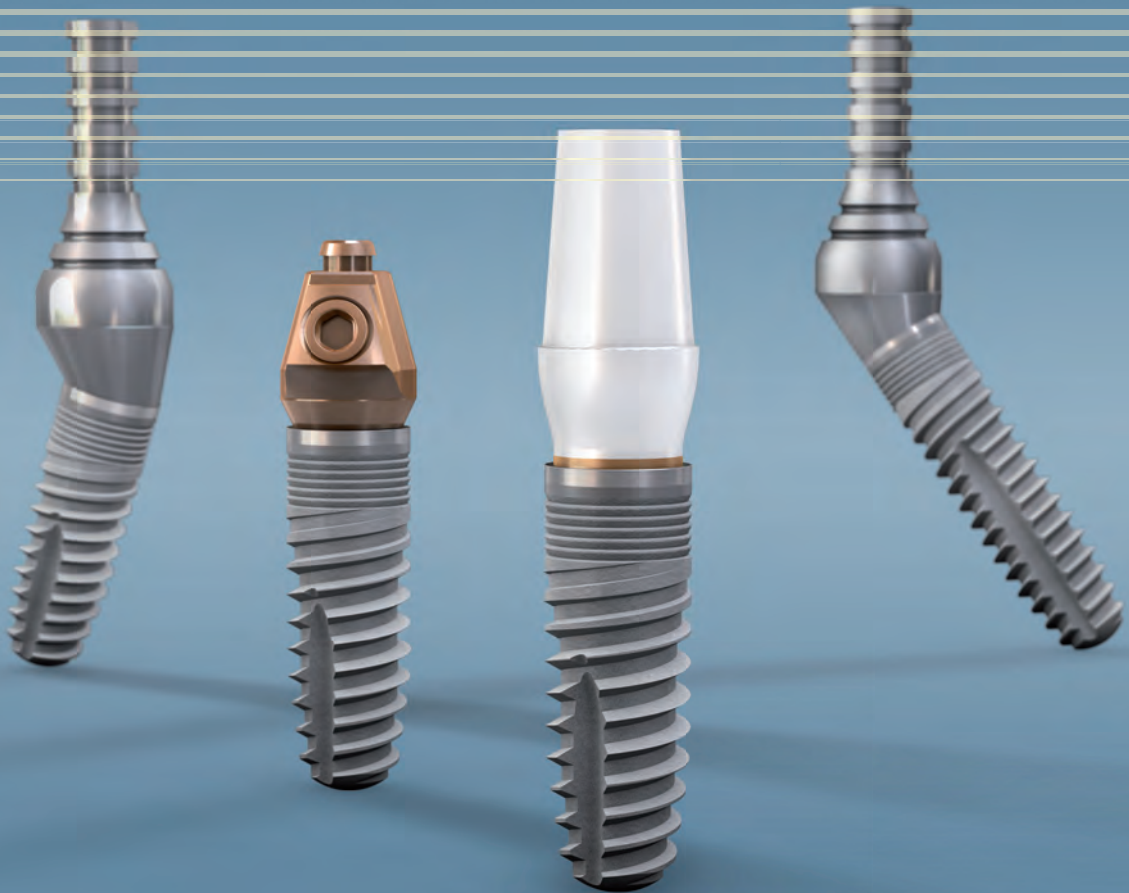


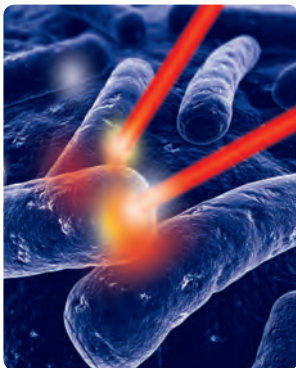
## Presentation of the system



**SKY Implant System**

# We are ONE

<b>bredent group</b>	<b>One</b> manufacturer in the field of implantology and prosthetics
<b>bredent medical</b>	<b>One</b> of the leaders in immediate restorations
<b>HELBO</b>	<b>One</b> bacterial infection control
<b>SKY fast &amp; fixed</b>	<b>One</b> session is all it takes
<b>BioHPP SKY elegance</b>	<b>One</b> abutment for temporary and final restoration
<b>Dentists, Dental Technicians, bredent group</b>	<b>One</b> team
<b>All patients</b>	<b>Everyone</b> is satisfied



**HELBO® antimicrobial photodynamic treatment (aPDT)** combats bacterial infections and has been proven to preserve teeth and implants. No pain. No side effects. No resistances. The treatment has been a scientifically proven success for over 10 years.



**Single-tooth restorations**  
Young people with a single-tooth gap benefit from a quick and aesthetic solution to their problem.



**Potentially edentulous jaw**  
The SKY fast & fixed therapy is designed for patients aged between 40 and 65 who are facing losing their teeth and feel too young to wear a removable prosthesis. The treatment provides an immediate fixed restoration after just one intervention, with minimal impact on their quality of life.



**Prosthesis fixation**  
This option is aimed at older patients who have already lost their teeth, but would like to be able to eat properly again and to enjoy going out in public without any worries.

**bredent medical offers suitable treatments for all groups of patients.**

In particular the immediate restoration options prevent errors and complications using standardised procedures and ensure cost-effective treatment – both for users and patients.

## Presentation of the SKY System

9-13

SKY Implant System

14-17

Prosthetics overview

18-32

Fixed restorations

33-37

Partially removable restorations

38-43

Removable restorations

44-54

Surgical/prosthetic protocol

## Presentation of the miniSKY system

55-66

miniSKY

The diagrams are not all to scale.

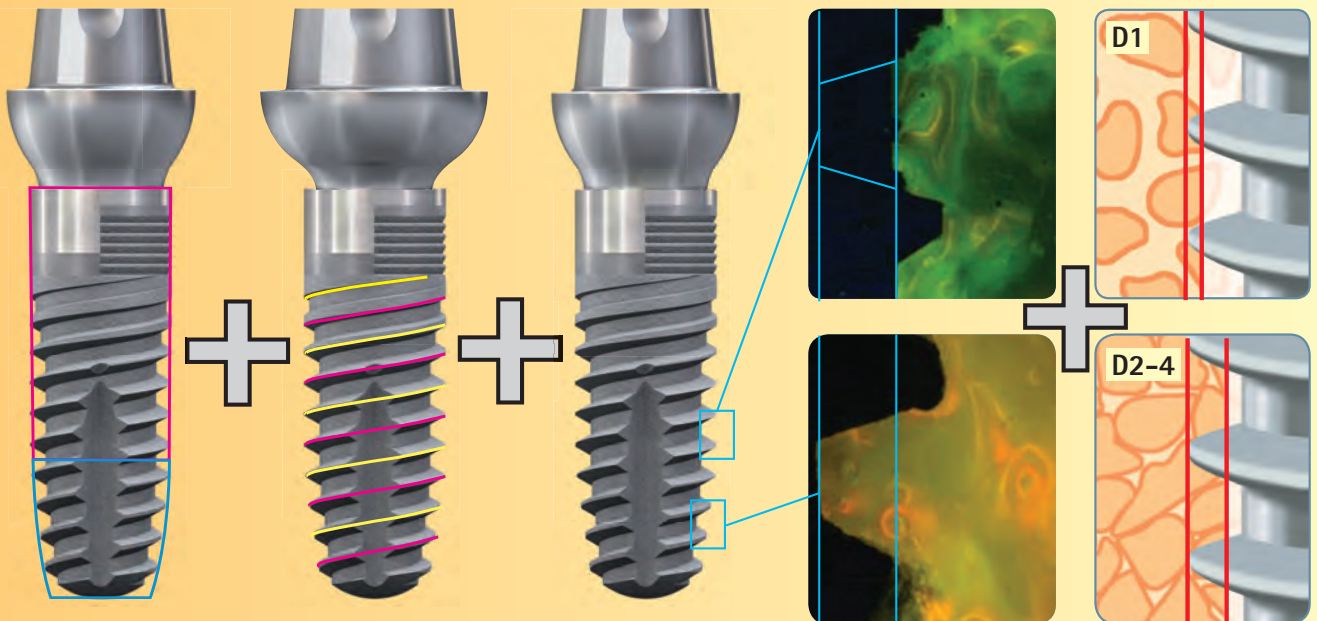
"All names marked with ® or ™ are protected brands and/or company names belonging to third-party rights holders."

# Immediate restoration

## SKY Implant system – The basis for immediate restoration

Immediate restoration places particular requirements on an implant system. The design of the SKY Implants and the corresponding surgical protocol ensure high primary stability in all bone qualities and therefore form a reliable basis for immediate restoration.

### High level of primary stability =



#### Conical cylindrical implant shape

- Optimal and uniform load distribution of the chewing forces

#### Double thread

- Soft and uniform insertion
- No repeated trauma

#### Self-cutting compression thread

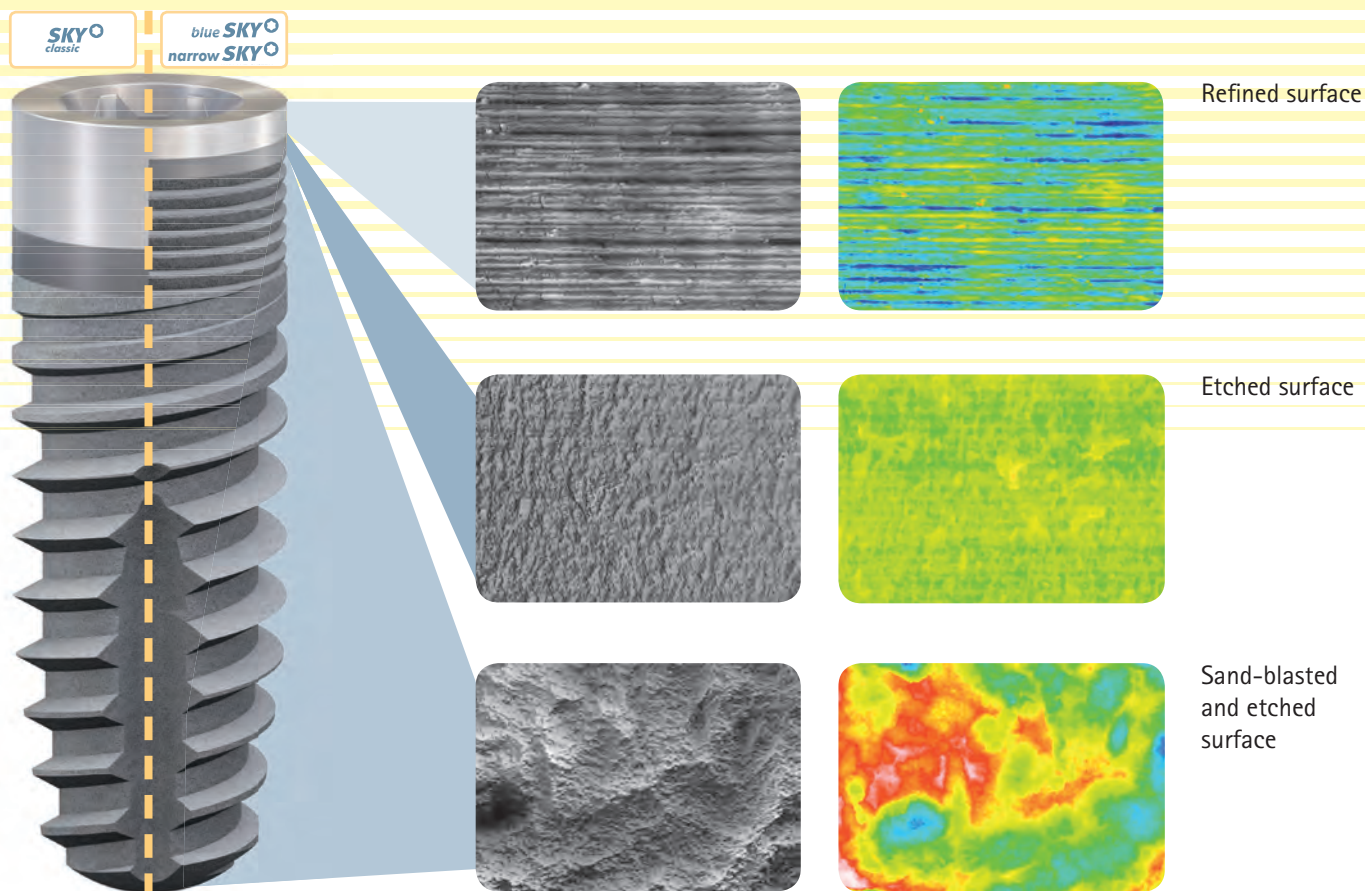
- Bone-preserving

#### Surgical protocol tailored to bone quality

- Primary stability in every quality of bone



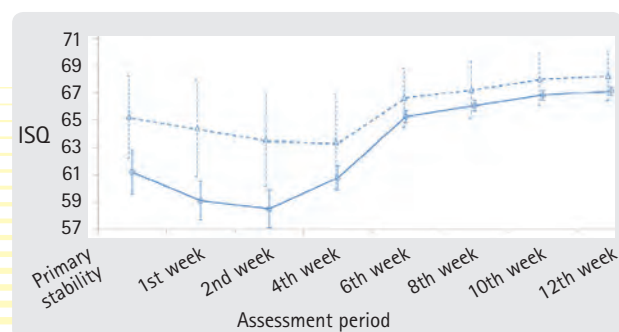
## SKY Implant system – surface structure



The three-dimensional surface structure ensures rapid osseointegration with no loss of stability, thanks to the blasted and etched surface.

The two types of coronal neck design allow for optimal soft tissue attachment, which is enhanced by the etched surface and the horizontal micro-grooves of the refined surface.

## Scientifically proven



Changes to implant stability during the 12-week monitoring period.

The extremely high level of primary stability only decreases very slightly after insertion and the *osseo connect*® surface leads to rapid osseous integration and to a high degree of stability.

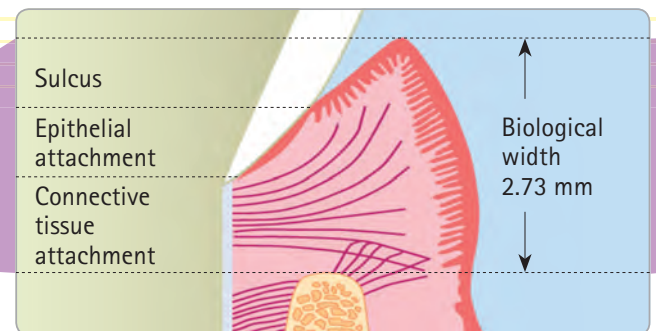
—△— Drilling + self-cutting blueSKY implant  
—○— Drilling + non-self-cutting competitor implant

Source: Marković et al: Evaluation of primary stability of self-tapping and non-self-tapping dental implants. A 12-week clinical study, *Clinical Implant Dentistry and Related Research* 2013

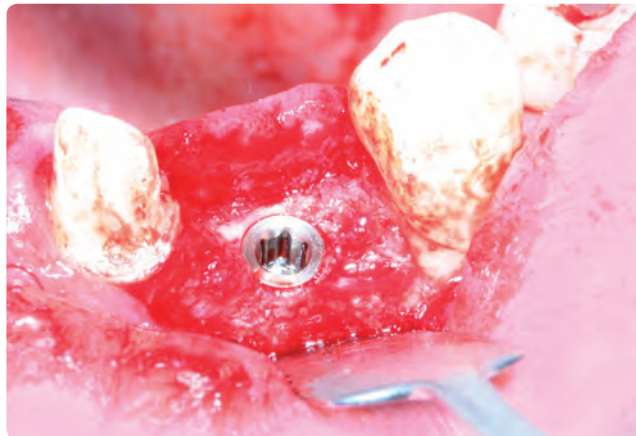
# Immediate restoration

## SKY Implant system – neck design

blueSKY<sup>®</sup> Iso-crestal implant position



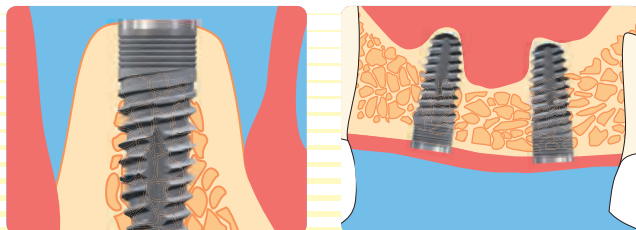
### Indication



The coronally structured blueSKY implant is perfectly suited to being positioned flush with the bone.

The macro-grooves ensure a high level of bone preservation.

The blueSKY implant therefore works very well with augmentations.



#### Sources:

Jose Luis Calvo-Guirado et al.: Influence of collar design on peri-implant tissue healing around immediate implants: A pilot study in Foxhound dogs; Clin Oral Implants Res. 2014 Mar 31. DOI: 10.1111/clr.12374. [Epub ahead of print]

Jose Luis Calvo-Guirado et al.: Narrow- versus mini-implants at crestal and subcrestal bone levels. Experimental study in beagle dogs at three months; Clin Oral Investig. 2014 Dec 11. [Epub ahead of print]



## Semi-transgingival implant position



The refined surface of the SKY Implants in the neck region with:

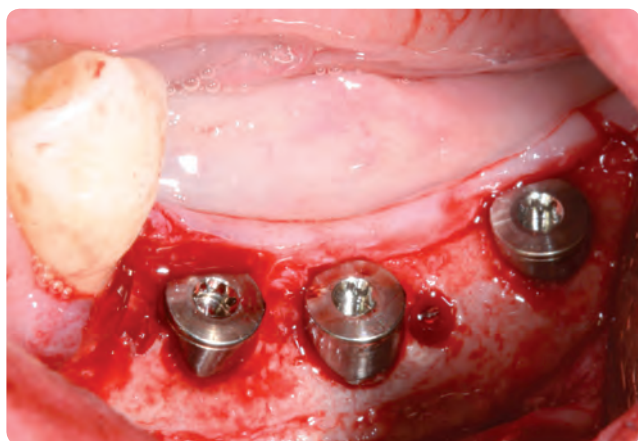
- horizontal micro-grooves, and
- an etched surface,

supports attachment of the connective tissue and allows for:

- soft-tissue attachment using a narrow collar for the blueSKY implant, and
- soft-tissue attachment using a wide collar for the SKY classic implant,

to the neck of the implant, which provides the implant with lasting protection.

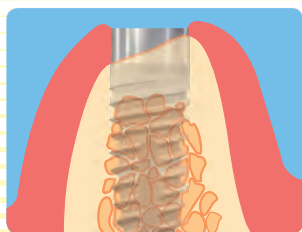
## Indication



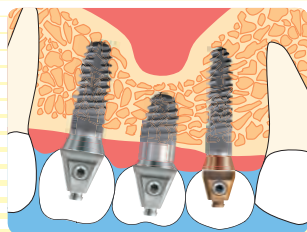
The SKY classic implant is ideal for preventing the bone from being ground off if the jaw ridge is narrow or irregular.

The 8 mm implant can be used as a short implant (6.5 mm) by way of supracrestal positioning.

The SKY classic implant is perfectly suited to flapless implantation, since the long, machined neck easily allows for a semi-transgingival implant position.



Semi-transgingival implant position



Short implants

## Sources:

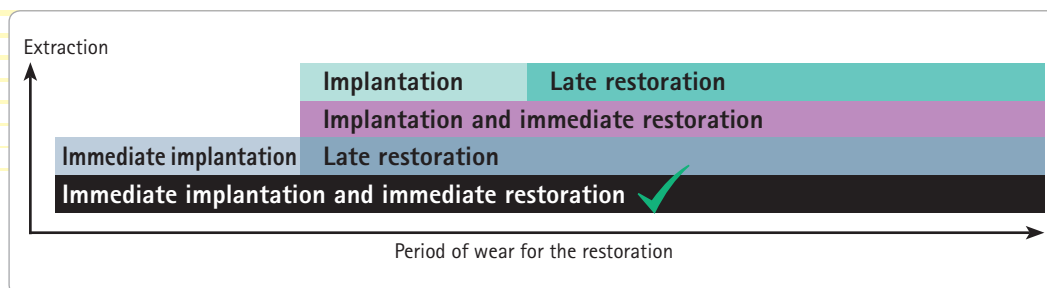
Zoran Vlahovic et al: Histopathological comparative analysis of peri-implant soft tissue response after dental implant placement with flap and flapless surgical technique. Experimental study in pigs; Clin Oral Implants Res. 2014 Jul 14. DOI: 10.1111/clr.12456. [Epub ahead of print]

Rafael Arcesio Delgado-Ruiz DDS, MSc, PhD Assistant professor et al.: Connective Tissue Characteristics around Healing Abutments of Different Geometries: New Methodological Technique under Circularly Polarized Light; Clin Implant Dent Relat Res. 2013 Oct 10. DOI: 10.1111/cid.12161. [Epub ahead of print]

# Immediate restoration

SKY Implant system – ideal for immediate restoration treatment using:

**SKY fast & fixed** Immediate restoration for potentially edentulous jaws  
**BioHPP SKY elegance** for rapid and aesthetic restoration of a single-tooth gap



✓ Advantageous for users and patients



## SKY fast & fixed Immediate restoration for potentially edentulous jaws

- Reduced number of implants
- No extensive surgical procedures such as augmentations
- Standardised work steps make the work easier
- Reduction and prevention of errors and complications
- In many cases, immediate fixed temporary bridges after only one session
- At an affordable price

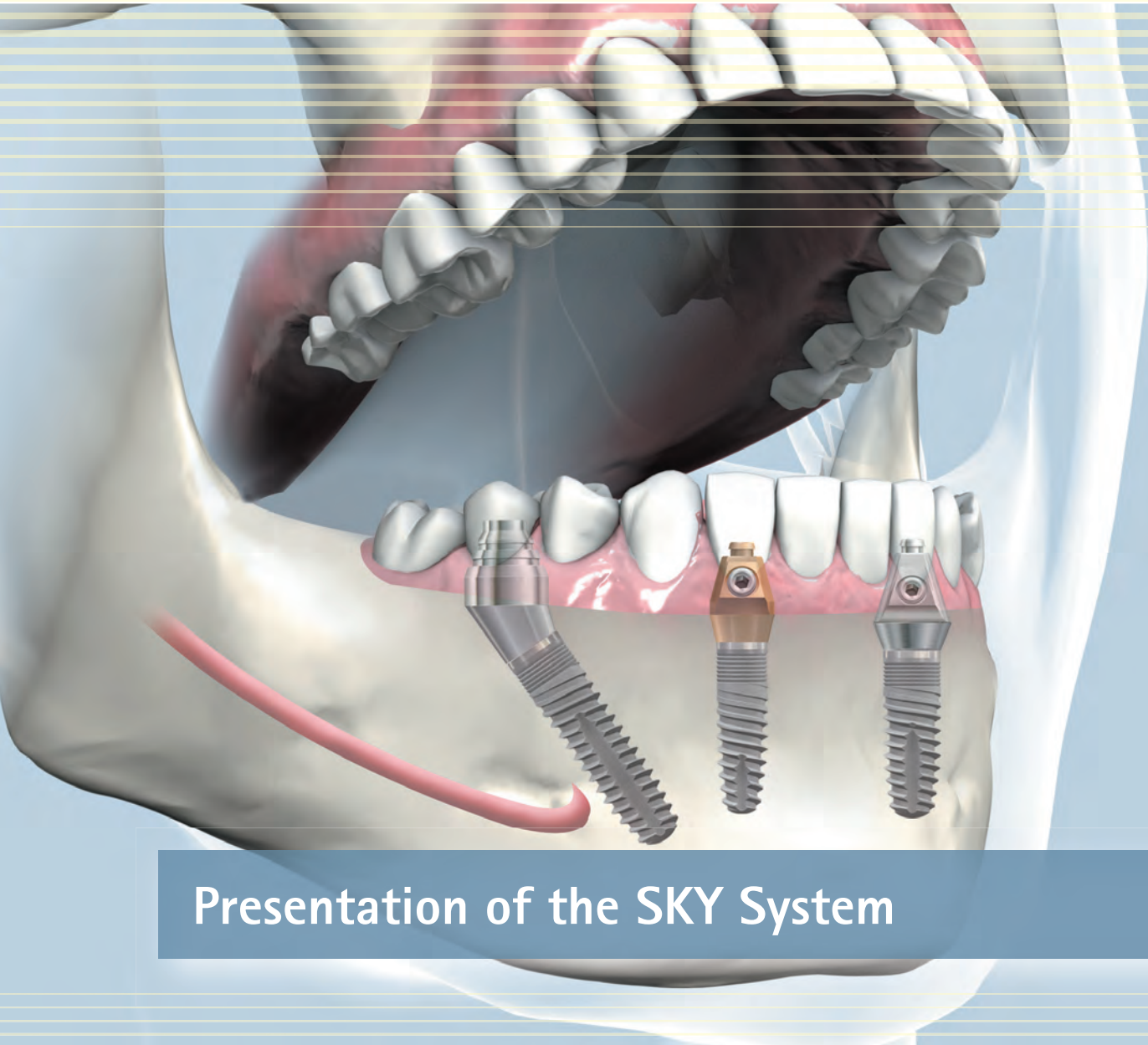


## BioHPP SKY elegance Immediate restoration for closing a single-tooth gap

Thanks to the properties of the high-performance polymer BioHPP:

- Protection during the healing phase thanks to reduced force on the implant (Off-Peak property)
- Gap closure using a temporary restoration immediately after implantation
- Immediate and without abutment change for final prosthetics (One-Time Therapy)
- Can also be directly and definitively restored as a crown abutment
- Protects the gingiva, therefore no repeated trauma
- Natural-looking prosthetic results





## Presentation of the SKY System



# Implant platforms and implant abutment connections

## bredent medical SKY Implant system

The SKY System is designed so that the number of prefabricated components is kept to a minimum.

For all indications which cannot be restored using these components, there are various custom solutions available.

Low number of prefabricated components



Custom solutions

## SKY Implant Platform

The SKY System has two implant platforms:

- narrow Platform 3.5
- regular Platform 4.0

The Torx (an anti-rotation element) is identical in both implant platforms, meaning that all red-gold abutments approved for narrowSKY can also be used on blueSKY and SKY classic with Platform switch.

narrow SKY



3.5 N



narrow  
Platform  
3.5



regular  
Platform  
4.0

blue SKY



3.5  
4.0  
4.5  
5.5

SKY classic



3.5  
4.0  
4.5

## SKY abutment Platform

The SKY System has two abutment platforms:

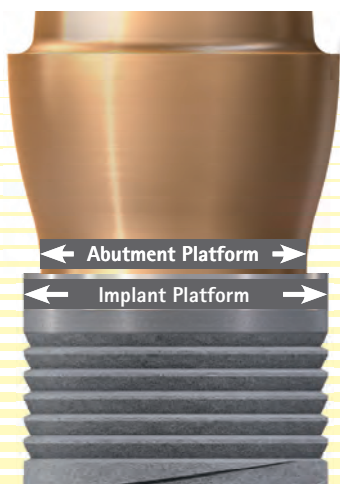
- Abutment Platform Ø 3.5  
suitable for narrowSKY without Platform switch and blueSKY and SKY classic with Platform switch
- Abutment Platform Ø 4.0  
suitable for blueSKY and SKY classic without Platform switch



Abutment  
Platform  
3.5



Abutment  
Platform  
4.0



Abutment Platform

Implant Platform



narrow SKY

blue SKY

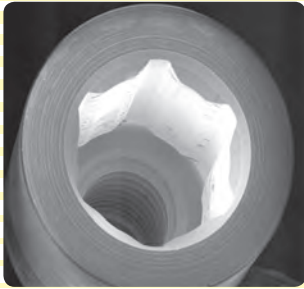
SKY classic



blue SKY

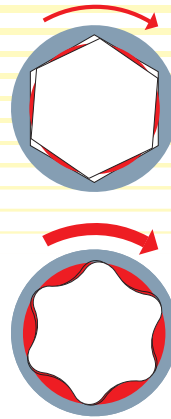
SKY classic

## SKY Implant abutment connections



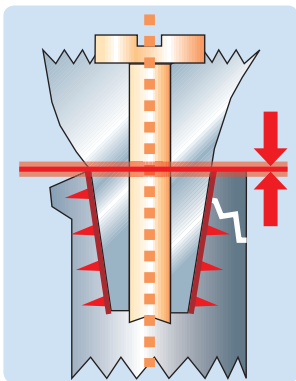
If screws and screw joints are involved. The Torx® is the gold standard in mechanical engineering and the automotive industry and in implant dentistry as well.

All SKY Implants have a Torx® connection.



**Torx®:** has six large force transfer surfaces

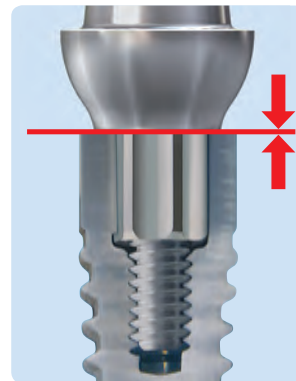
- significantly higher torques for the same force applied
- easier insertion of the implant
- no damage to the internal geometry at a high torque either



### Conical connections

- No definitive vertical abutment height
- Height difference between laboratory and clinic
- Passive fit of bridge constructions very difficult

Conical connection  
Flat connection

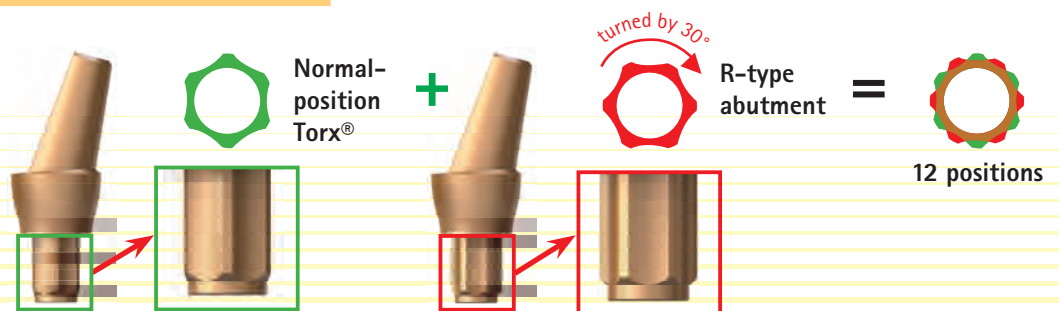


### Flat connections (SKY System)

- **Defined** abutment height
- Passive-fit of bridge and bar restorations easier to achieve

## 12 orientation positions

Owing to the normal position and the R variants, there are 12 positions for the orientation of the angled abutments. Therefore, the abutment can be easily oriented to the best position in the laboratory after the operation.



# SKY Implant system – order information

## narrowSKY 3.5 N



### narrow Platform

## Cover screw for narrowSKY implants

### 3.5 N



Length 10 mm	REF nSKY3510
Length 12 mm	REF nSKY3512
Length 14 mm	REF nSKY3514
Length 16 mm	REF nSKY3516

### 3.5 N



A cover screw is included with the implant.

## blueSKY



### regular Platform

### 3.5



Length 10 mm	REF bSKY 3510
Length 12 mm	REF bSKY 3512
Length 14 mm	REF bSKY 3514
Length 16 mm	REF bSKY 3516

### 4.0



Length 8 mm	REF bSKY 4008
Length 10 mm	REF bSKY 4010
Length 12 mm	REF bSKY 4012
Length 14 mm	REF bSKY 4014
Length 16 mm	REF bSKY 4016

## SKY classic



### regular Platform

### 3.5



Length 10 mm	REF kSKY3510
Length 12 mm	REF kSKY3512
Length 14 mm	REF kSKY3514
Length 16 mm	REF kSKY3516

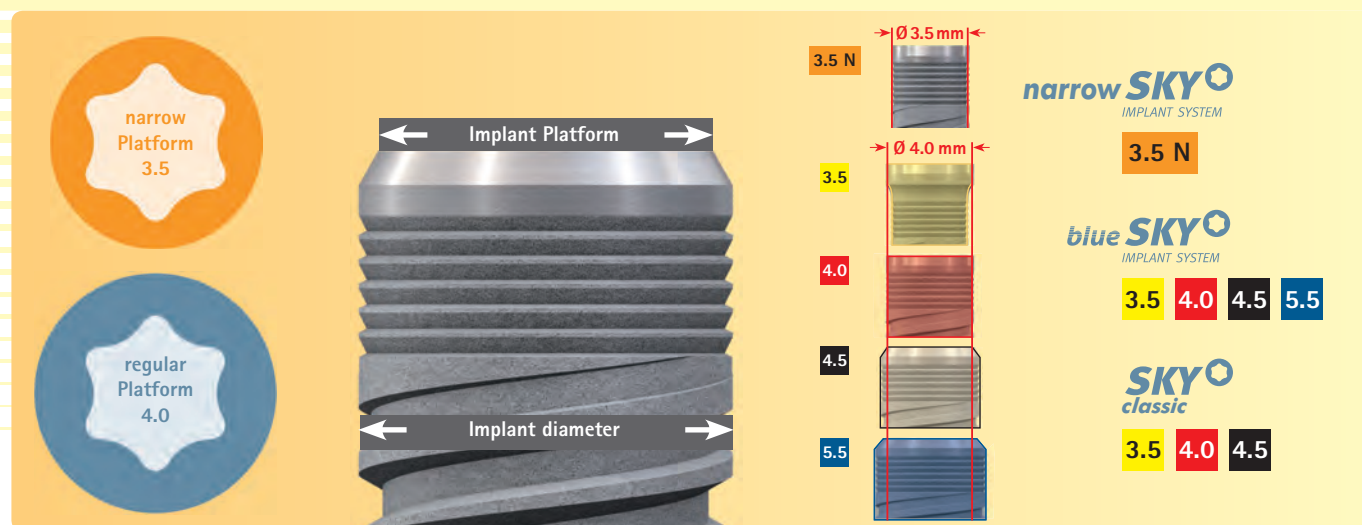
### 4.0



Length 8 mm	REF kSKY4008
Length 10 mm	REF kSKY4010
Length 12 mm	REF kSKY4012
Length 14 mm	REF kSKY4014
Length 16 mm	REF kSKY4016

## SKY Implant Platform

## SKY Implant diameter



SKY Implant system

### 4.5



Length 8 mm	REF bSKY 4508
Length 10 mm	REF bSKY 4510
Length 12 mm	REF bSKY 4512
Length 14 mm	REF bSKY 4514

### 5.5



Length 8 mm	REF bSKY 5508
Length 10 mm	REF bSKY 5510
Length 12 mm	REF bSKY 5512

## Cover screw for blueSKY and SKY classic implants

### 4.5



Length 8 mm	REF kSKY4508
Length 10 mm	REF kSKY4510
Length 12 mm	REF kSKY4512
Length 14 mm	REF kSKY4514

3.5 4.0 4.5 5.5



A cover screw is included with the implant.

# SKY prosthetic overview – sorted by implant

Abutment  
Platform



For prosthetics approved for narrowSKY/  
blueSKY + SKY classic with Platform switch

Laboratory implant



SKY esthetic line



SKY esthetic line



BioHPP SKY elegance

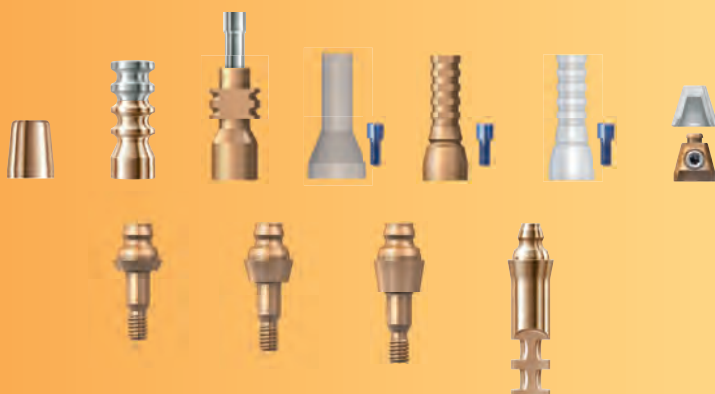


Image on  
a very  
small scale

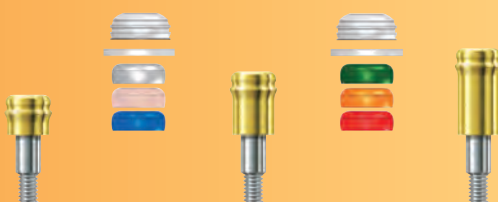
SKY uni.fit CAD



SKY uni.cone



SKY Locator®



Abutment  
Platform



For blueSKY + SKY classic  
Not suitable for narrowSKY due to the

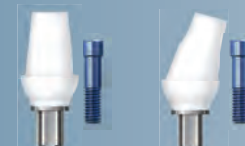
SKY esthetic line



SKY esthetic line



BioHPP SKY elegance





Abutment  
Platform

4.0

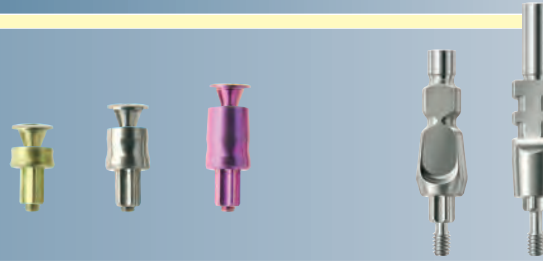
For blueSKY + SKY classic

Not suitable for narrowSKY due to the abutment Platform

with Platform switch  
abutment shoulder



SKY standard line



SKY standard line



SKY esthetic line



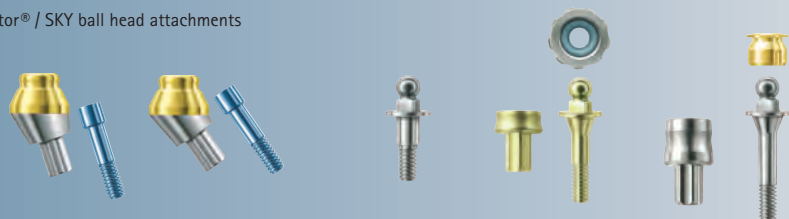
SKY zirconium abutments







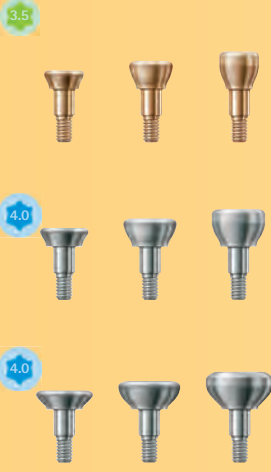














SKY fast & fixed



SKY Locator® / SKY ball head attachments



# SKY prosthetic overview – sorted by product line

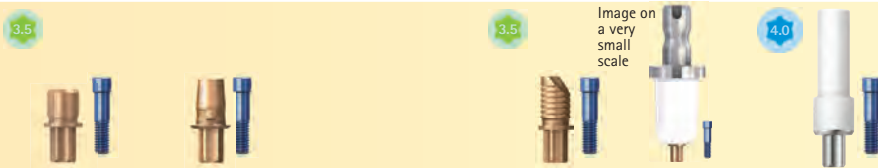
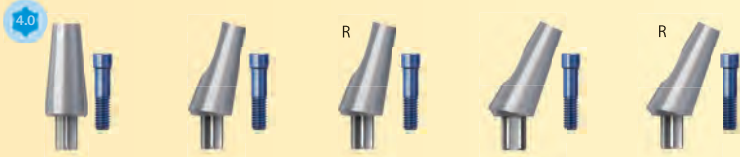
	Product line	Laboratory analogue	Gingiva former	Temporary prosthetic	Impression taking analogue	Impression taking digital
Prefabricated solutions	SKY standard line					
	SKY esthetic line					
	Custom solutions					
Bridges and bars	SKY uni.cone					
	SKY fast & fixed					
	Prosthesis fixation					

## Abutments

Abutment  
Platform

3.5

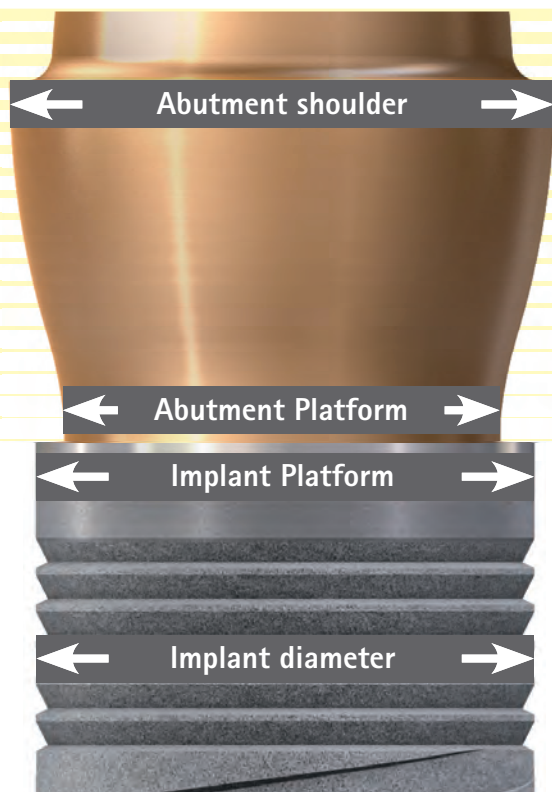
4.0



Prosthetics overview

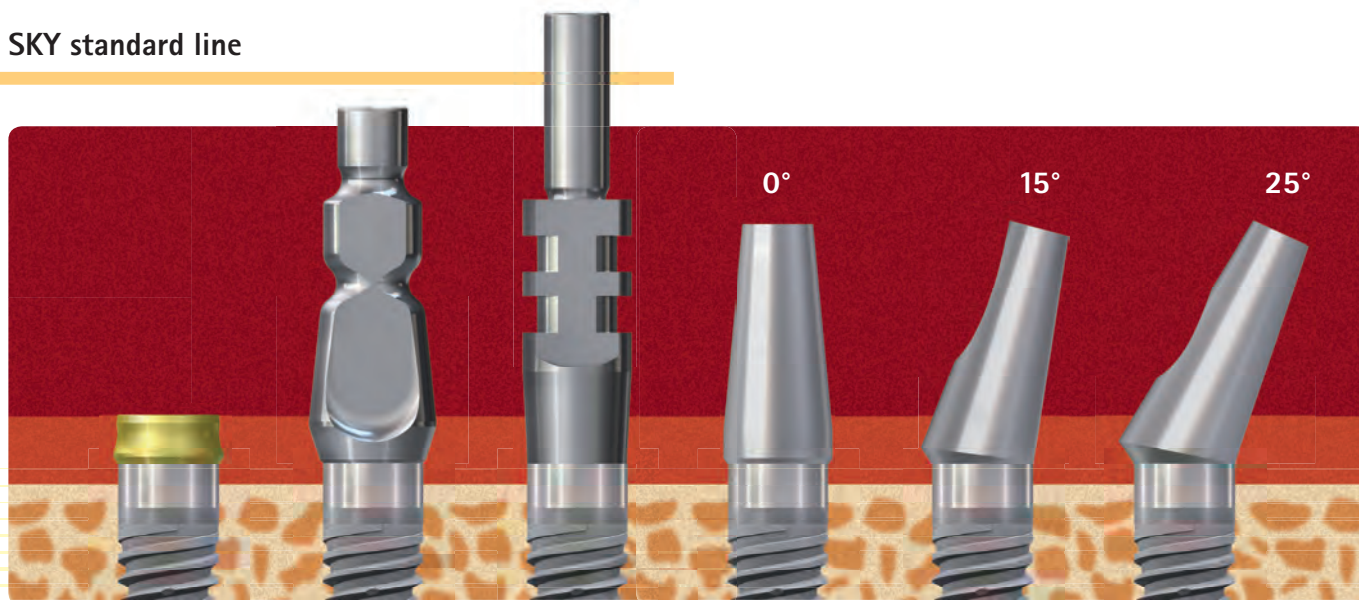
## Overview of prefabricated structures

### Abutment shoulder



The overview again shows all the parameters that are important for using the SKY System correctly.

### SKY standard line

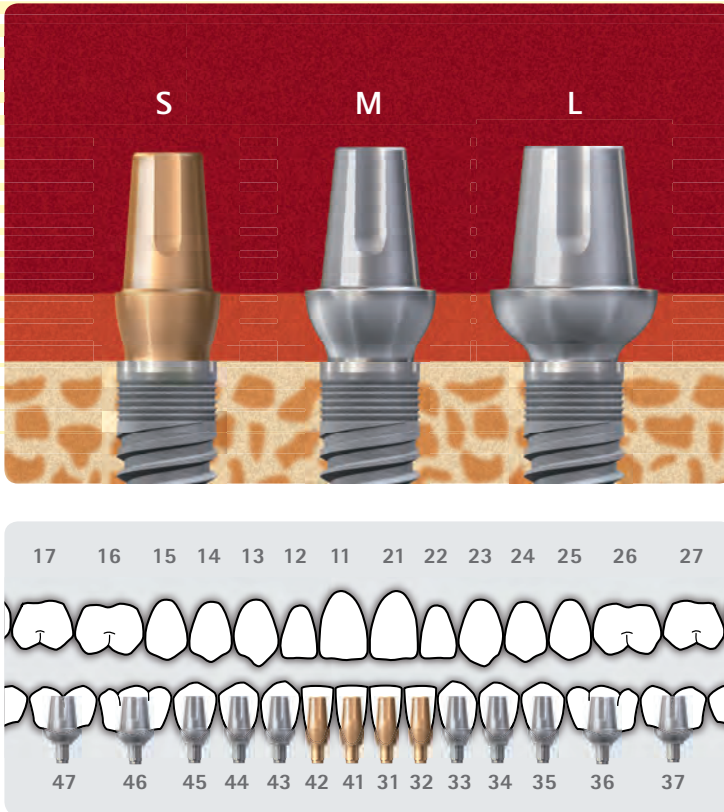


SKY standard line:

- Abutment shoulder 4.5
- Abutment Platform 4.0
- Only suitable for blueSKY and SKY classic



## SKY esthetic line



### SKY esthetic line:

- Three diameters of the abutment shoulder:

- S: 4.5 mm
- M: 5.5 mm
- L: 7.0 mm

plus an abutment Platform of 3.5

- which fits narrowSKY, and
- blueSKY and SKY classic with Platform switch

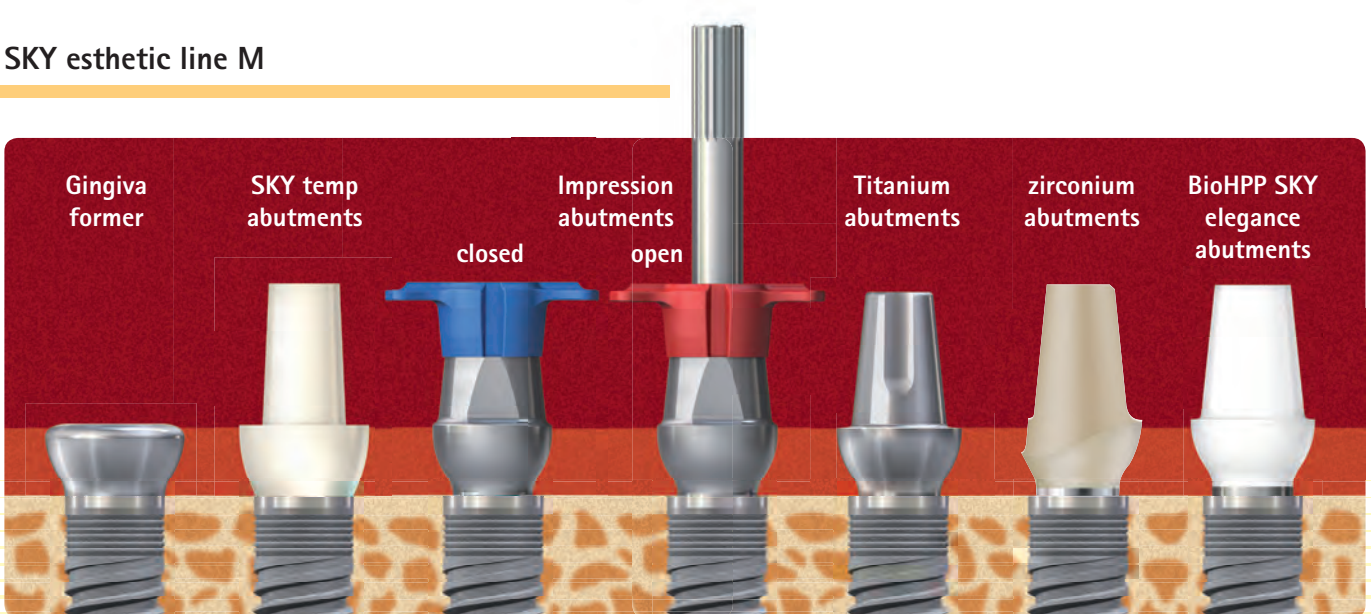
- A concave and convex abutment shape in the gingival region ensures optimal attachment of the soft tissue

- Customisable axis compensation of up to 20°

- Particularly suitable for custom transverse screw fixation

Fixed restorations

## SKY esthetic line M



All components in the SKY esthetic line are matched to one another:  
Corresponding concave and convex sulcus shape.  
Also available for abutment shoulders with S and L diameters.



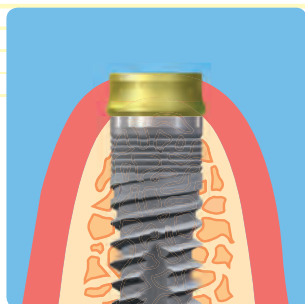
# Prefabricated solutions

## SKY gingiva former



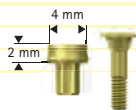
blueSKY  
SKY classic

### SKY standard line



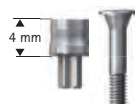
Two-part gingiva former with spacer sleeve, Torx® and conical screw for secure fixing in the implant

SKY gingiva former height 2 mm  
incl. screw



REF SKY-GF02

SKY gingiva former height 4 mm  
incl. screw



REF SKY-GF04

SKY gingiva former height 6 mm  
incl. screw



REF SKY-GF06

Material: Titanium  
Torque: 10 Ncm

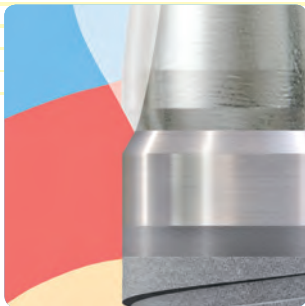
## SKY Titanium abutments

4.0

blueSKY  
SKY classic



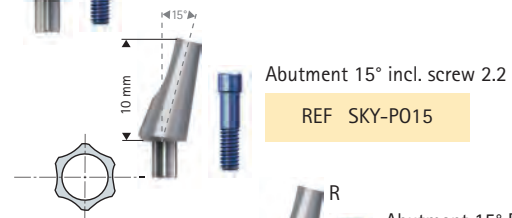
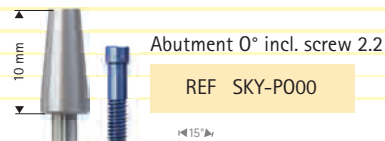
### SKY standard line



Wide-based SKY Titanium abutments are ideal for supra-crest implants, as they form a relatively wide crown base at the gingival emergence. With the three available angulations

- 0°
- 15°
- 25°

all relevant clinical restorations can be covered. This is also supported by the R-abutments, where the torque is turned 30°, so that 12 prosthetic positions are provided with inclined abutments.



Material: Titanium  
Torque: 25 Ncm

Fixed restorations

# Prefabricated solutions

## SKY esthetic gingiva former

### SKY esthetic line

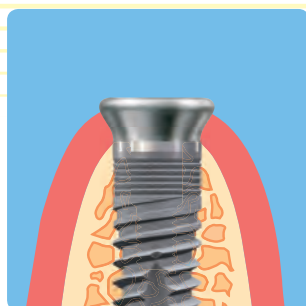
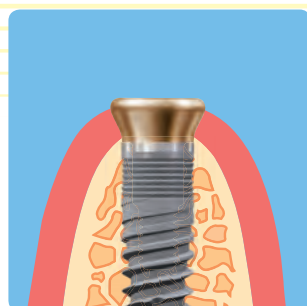
3.5

narrowSKY  
blueSKY  
SKY classic



4.0

blueSKY  
SKY classic



The SKY esthetic gingiva former gives the emergence profile the optimum shape for the subsequent use of the corresponding SKY esthetic abutments.

SKY esthetic gingiva former M  
size M, height 2 mm



REF SKYEMG02

SKY esthetic gingiva former M  
size M, height 3 mm



REF SKYEMG03

SKY esthetic gingiva former M  
size M, height 4 mm



REF SKYEMG04

SKY esthetic gingiva former S (narrowSKY)  
size S, height 2 mm



REF SKYESG02

SKY esthetic gingiva former S (narrowSKY)  
size S, height 3 mm



REF SKYESG03

SKY esthetic gingiva former S (narrowSKY)  
size S, height 4 mm



REF SKYESG04

SKY esthetic gingiva former L  
size L, height 2 mm



REF SKYELG02

SKY esthetic gingiva former L  
size L, height 3 mm



REF SKYELG03

SKY esthetic gingiva former L  
size L, height 4 mm



REF SKYELG04

Material: Titanium  
Torque: 10 Ncm

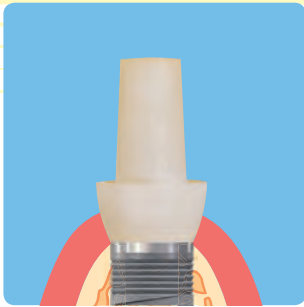
## SKY temp



blueSKY  
SKY classic



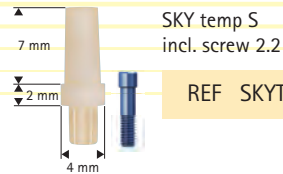
SKY esthetic line



A temporary crown or small bridge can be easily and quickly produced on the SKY temp abutment made of POM (polyoxymethylene), in order to exploit the advantages of immediate restoration for forming the gingiva.

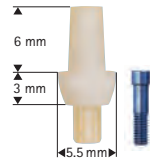
### SKY temp as a custom gingiva former

The shortened and customised SKY temp can also be quickly adapted into a custom gingiva former, either chairside or in the laboratory.



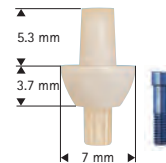
SKY temp S  
inkl. screw 2.2

REF SKYTEMPS



SKY temp M  
inkl. screw 2.2

REF SKYTEMPM



SKY temp L  
inkl. screw 2.2

REF SKYTEMPL

Material: POM  
Torque: 18 Ncm

# Prefabricated solutions

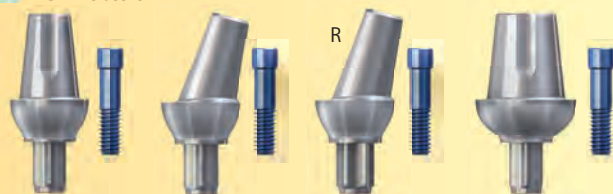
## SKY esthetic abutments

### SKY esthetic line

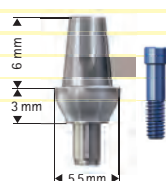
3.5 narrowSKY  
blueSKY  
SKY classic



3.5 blueSKY  
SKY classic



The concave and convex shape of the SKY esthetic abutments allows the dental technician to customise them to a large extent, and gives the gingiva a lot of space for attachment. This attachment is further enhanced by additional surface refinement.



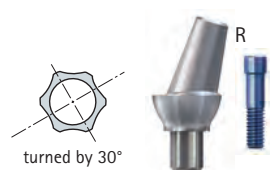
SKY esthetic abutment M 0°  
incl. screw 2.2

REF SKY-EM00



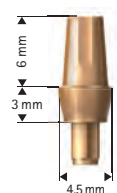
SKY esthetic abutment M 15°  
incl. screw 2.2

REF SKY-EM15



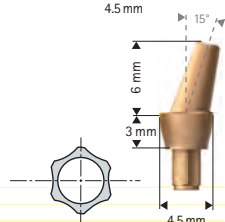
SKY esthetic abutment M 15° R  
incl. screw 2.2

REF SKY-EM16



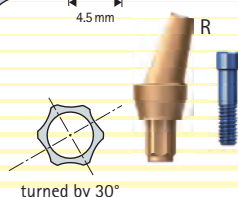
SKY esthetic abutment S 0° (narrowSKY)  
incl. screw 2.2

REF SKYnES00



SKY esthetic abutment S 15° (narrowSKY)  
incl. screw 2.2

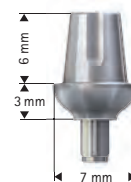
REF SKYnES15



SKY esthetic abutment S 15° R  
(narrowSKY) incl. screw 2.2

REF SKYnES16

Material: Titanium  
Torque: 25 Ncm



SKY esthetic abutment L 0°  
incl. screw 2.2

REF SKY-EL00

Material: Titanium  
Torque: 25 Ncm



## SKY zirconium abutments

4.0 blueSKY  
SKY classic



### SKY esthetic line

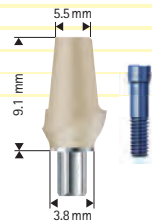


In the laboratory, the prefabricated zirconium abutment is bonded to a titanium bonding base. The SKY zirconium abutments are in dentine colours.

### Important:

The SKY zirconium abutments must not be subjected to grinding, as the minimum wall thickness is required in order to guarantee long-lasting stability.

In cases where restoration cannot be optimally achieved using the prefabricated SKY zirconium abutments owing to their angle or orientation, it is recommended that a custom ceramic abutment be produced, for example using the SKY uni.fit CAD titanium bonding base.



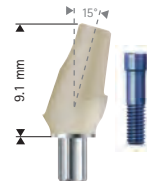
SKY zirconium abutment 0°  
incl. screw 2.2

REF SKYZA000



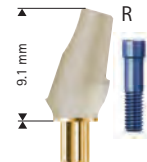
SKY zirconium abutment 0° R  
incl. screw 2.2

REF SKYZA00R



SKY zirconium abutment 15°  
incl. screw 2.2

REF SKYZA150



SKY zirconium abutment 15° R  
incl. screw 2.2 2.2

REF SKYZA15R

Material: Titanium + ZrO<sub>2</sub>  
Torque: 25 Ncm

# Prefabricated solutions

## BioHPP SKY elegance abutments

3.5

narrowSKY  
blueSKY  
SKY classic



3.5

blueSKY  
SKY classic

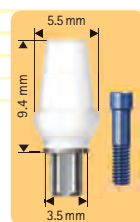


### SKY esthetic line



The BioHPP SKY elegance abutments are hybrid abutments in which the abutment body made of BioHPP is connected to the titanium base without a gap. These abutments are best used for One-Time Therapy for immediate restoration, since they combine the properties of a temporary and a definitive abutment, i.e. it is not necessary to change the abutment. As a result, the gingiva is not subjected to multiple traumas. In addition, the time and costs are reduced.

BioHPP can be ground in the mouth as easily as dentine using carbide milling tools.



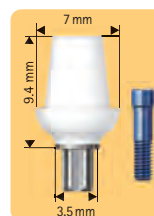
BioHPP SKY elegance abutment  
M 0°  
incl. screw 2.2

REF SKYEEM00



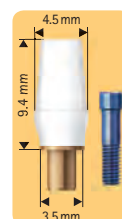
BioHPP SKY elegance abutment  
M 15°  
incl. screw 2.2

REF SKYEEM15



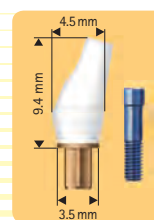
BioHPP SKY elegance abutment  
L 0°  
incl. screw 2.2

REF SKYEEL00



BioHPP SKY elegance abutment  
S 0°  
incl. screw 2.2

REF SKYEES00



BioHPP SKY elegance abutment  
S 15°  
incl. screw 2.2

REF SKYEES15

Material: Titanium  
Torque: 25 Ncm

### Custom abutments – conventional or CAD/CAM

Custom abutments with a natural emergence profile through the gingiva provide the best aesthetics and will satisfy even the most demanding of patients.

Using the SKY System, custom abutments can be produced both conventionally by wax modelling and using a digital workflow.



#### Conventional workflow

The following options for producing custom abutments are available with the conventional workflow:

- BioHPP SKY elegance titanium bases for producing hybrid abutments from BioHPP
- SKY abutments which can be cast on for producing high-gold-content abutments
- SKY uni.fit CAD titanium bases with modelling sleeve for the bonding technique



#### CAD/CAM workflow

The following options for producing custom abutments are available with the digital workflow:

- SKY uni.fit CAD titanium base for the bonding technique
- SKY uni.fit titanium base for CEREC® for the bonding technique in the closed CEREC® workflow
- BioHPP SKY elegance prefab

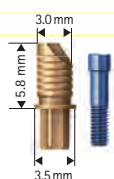
## Custom solutions

### BioHPP SKY elegance titanium base

3.5 narrowSKY  
blueSKY  
SKY classic



### Conventional solutions



BioHPP SKY elegance titanium base  
incl. screw 2.2

REF SKYETB00

A custom abutment in a natural tooth shape is modelled on the BioHPP SKY elegance titanium base (sand-blasted by the technician). It is then embedded and remoulded with BioHPP in the *for2press* device.

This custom BioHPP abutment can then be directly veneered with the visio.lign veneer system to form a crown abutment or can be restored using a crown or a bridge.

## BioHPP SKY elegance prefab

3.5

narrowSKY  
blueSKY  
SKY classic



### For CAD/CAM production



BioHPP SKY elegance prefab  
incl. screw 2.2  
3 pieces

REF SKYEPF03

BioHPP SKY elegance prefab  
incl. screw 2.2  
6 pieces

REF SKYEPF06

BioHPP SKY elegance prefab  
incl. screw 2.2  
9 pieces

REF SKYEPF09

BioHPP SKY elegance prefab  
incl. screw 2.2  
12 pieces

REF SKYEPF12

With the BioHPP SKY elegance prefab, the abutment body made of BioHPP is pressed onto the BioHPP SKY elegance titanium base without a gap and forms a perfect mechanical connection. The required tooth shape for the custom abutment is designed in CAD software and the corresponding data set is passed on to the machine manufacturing stage.

This is already possible using systems from the following providers:

- DATRON®
- imes.icore®
- Roland®
- röders Tec®

A wide range of indications can be restored in this way:

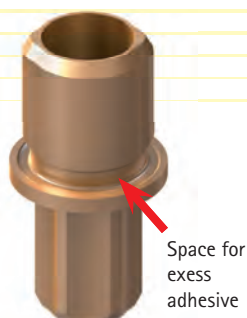
- Custom abutments for single-tooth and bridge restorations – also suitable for immediate restoration
- Crown abutments
- Telescopes

# Custom solutions

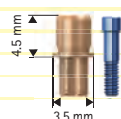
## SKY uni.fit

3.5

narrowSKY  
blueSKY  
SKY classic



Space for  
excess  
adhesive



SKY uni.fit  
CAD abutment

REF SKYUFCAD

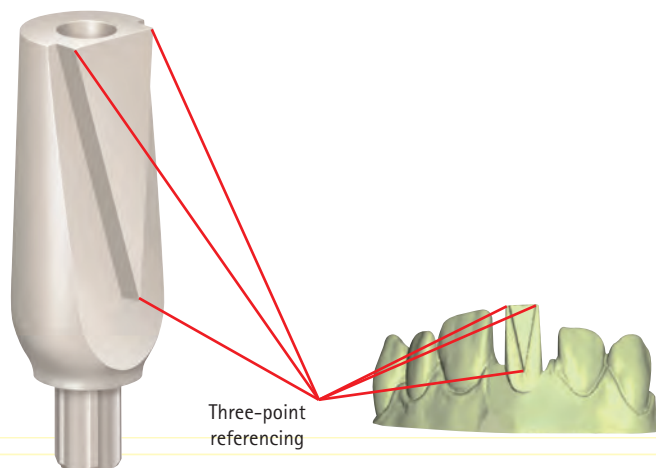
Material: Titanium  
Torque: 25 Ncm



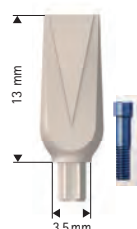
Modelling cap  
10 pieces

REF UFCADMOD

The geometry of the SKY uni.fit CAD abutments is such that the custom ceramic structure can be milled to create a perfect fit. The subsequent bonding is made easier by the additional space for excess adhesive.



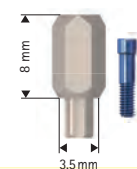
Three-point  
referencing



SKY uni.fit  
Scan-Abutment  
extraoral

REF SKYUSCAE

Material: PEEK  
Torque: 10 Ncm



SKY uni.fit Scan-Abutment  
intraoral  
1 piece

REF SKYUSCAI

### Scan abutments

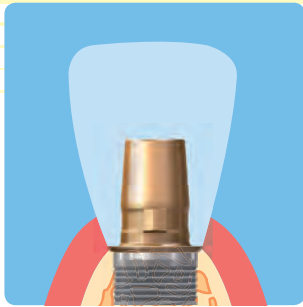
The position and orientation of the implant is transferred to the virtual model using a three-point reference system.



## SKY uni.fit titanium base for CEREC®

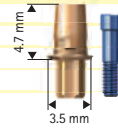
3.5

narrowSKY  
blueSKY  
SKY classic



Abutment geometry of the CEREC® TiBase S

SKY Implant abutment connection



SKY uni.fit titanium base for CEREC®

REF SKYUFCTB

The SKY uni.fit titanium base for CEREC® combines the SKY Implant abutment connection with the abutment geometry of the CEREC® TiBase S. It is therefore possible to produce custom abutments for restoration with SKY Implants using the CEREC® system.

- The implant position is scanned using the original Sirona® scan bodies:
  - Scan bodies for Bluecam® S
  - Scan bodies for Omnicam® S.
- For construction in the CEREC® software, a suitable implant is selected from the library, e.g. Camlog® 3.8.
- All CEREC® blocks with the S geometry can be used for this process.
- The subsequent bonding is carried out according to the manufacturer's instructions.

Can be ordered from Sirona®

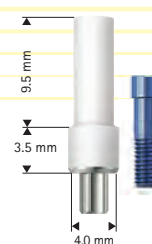
Scan bodies for Bluecam® S  
36 pieces  
REF 6431295

Scan bodies for Omnicam® S  
36 pieces  
REF 6431311

# Custom solutions

## Castable abutment

4.0 blueSKY  
SKY classic



Abutment, cast-on  
incl. plastic coping  
and screw 2.4

REF SKY-PV00



Screw 2.2  
6 pieces

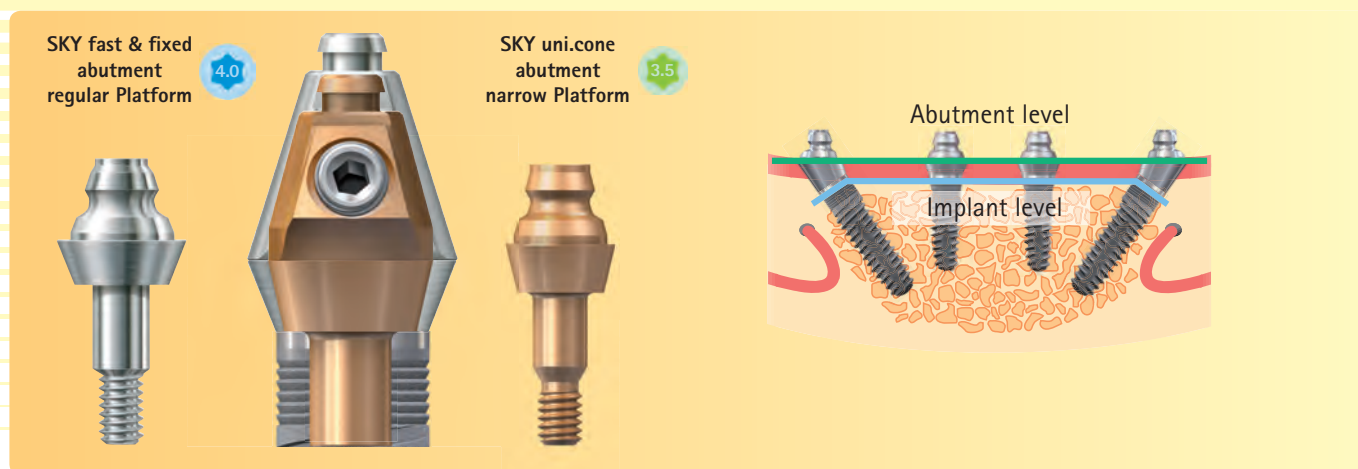
REF SKY-PS22

With cast-on abutments, difficult individual clinical situations can also be easily handled from a prosthetic point of view.

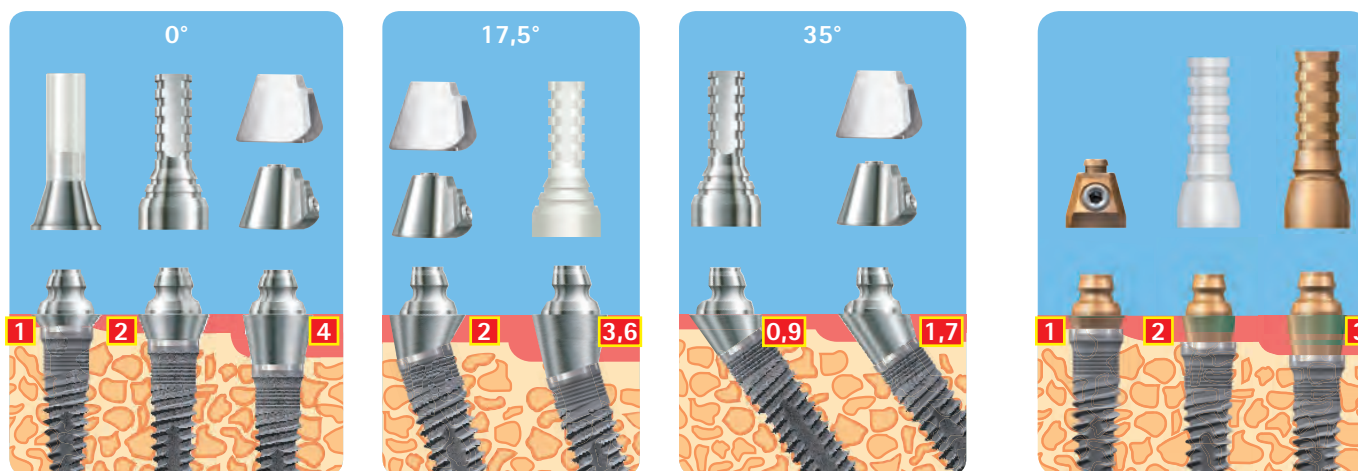
This is held securely by screwing the sleeve onto the metal base, so as to facilitate quick and reliable modelling of the custom abutment. The burn-out plastic sleeve is provided already mounted.

Technical data: Melting interval 1400 - 1490 °C  
WAK (thermal expansion coefficient)  
11.9 - 12.2  $10^{-6}K^{-1}$   
(Au 60 %, Pd 20 %, Pt 19 %, Ir 1%)  
Weight: 0.33 g  
Torque: 25 Ncm

## SKY fast & fixed / SKY uni.cone



- Two abutment shoulder diameters
- A prosthetic restoration concept
- No need to change the abutment between temporary and definitive restoration
- Modelling at abutment level
- Occlusal or transversal screw retention on the same abutment



SKY fast & fixed abutments with regular Platform for

- blueSKY
- SKY classic

1 Gingiva height in mm

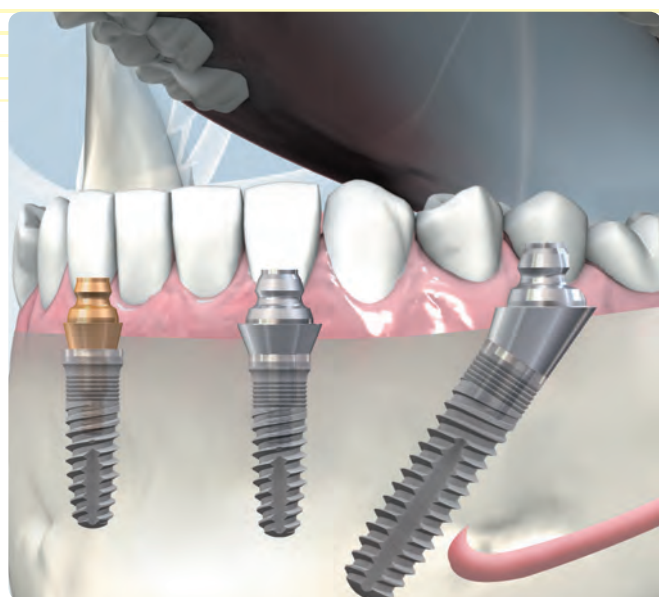
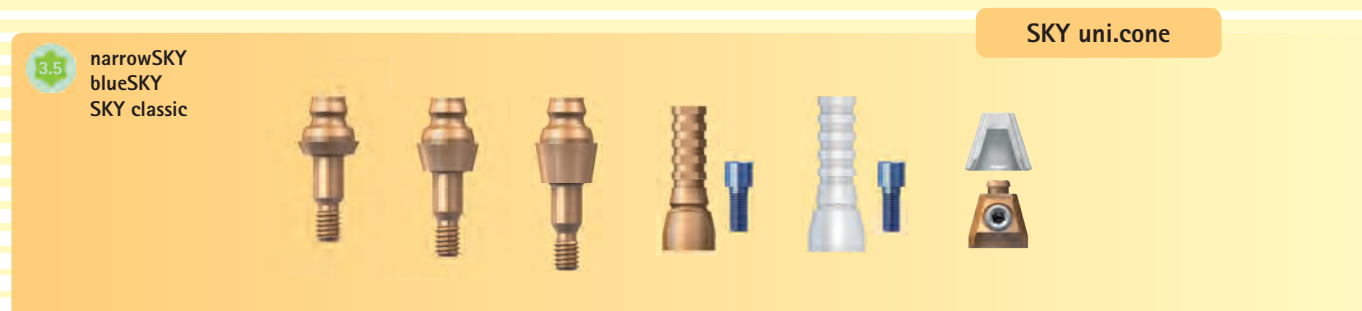
SKY uni.cone abutments with narrow Platform for

- narrowSKY
- blueSKY
- SKY classic

Partially removable restorations

# Bridges and bars

## Abutment system



SKY fast & fixed / SKY uni.cone  
lab screw M 1.4  
grey, 10 pieces

REF SKYFFLPK

SKY fast & fixed / SKY uni.cone  
lab screw M 1,4  
blue, 6 pieces

REF SKYFFSPK

SKY fast & fixed / SKY uni.cone  
transversal screw  
6 pieces

REF SKYUFTS9

In addition to the SKY fast & fixed abutment system, we now also offer the SKY uni.cone abutment system with a reduced diameter of 4.5 mm, meaning that high-quality aesthetic restorations, which can be screwed either occlusally or transversely, can be carried out quickly and simply even in atrophied jaws.

The SKY uni.cone abutment system is copper-color anodized for better distinction in the patient's mouth and in the laboratory.

A typical application for SKY uni.cone is the combination with SKY fast & fixed in the lower jaw. Implants placed at an angle are attached to the normal SKY fast & fixed abutments and the SKY uni.cone abutments are placed on the straight abutments in the corresponding height.

## Abutment system

3.5

narrowSKY  
blueSKY  
SKY classic



SKY uni.cone



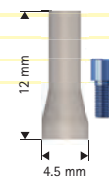
SKY uni.cone impression coping  
Closed tray  
with integrated screw

REF SKYUCAGL



SKY uni.cone  
Impression coping  
open tray

REF SKYUCAOL



SKY uni.cone  
scan cap  
intraoral (extraoral)  
incl. screw 2.2 1.4

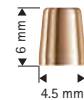
REF SKYUSCIE

Material: PEEK  
Torque: 10 Ncm



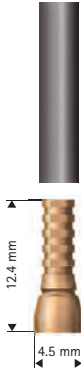
SKY uni.cone  
laboratory analog

REF SKYUCTLA



SKY uni.cone  
Gingiva former

REF SKYUCGF2



SKY uni.cone  
Prosthetic coping, titanium  
1 piece each  
Silicone tubing

REF SKYUCPKT



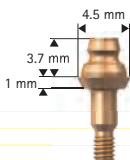
SKY uni.cone  
Prosthetic coping, resin  
1 piece each

REF SKYUCPKK



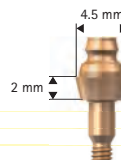
SKY uni.cone  
Prosthetic coping  
transversal screw-retained

REF SKYUCPKS



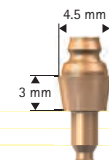
SKY uni.cone  
Abutment 0°  
height 1 mm

REF SKYUC001



SKY uni.cone  
Abutment 0°  
height 2 mm

REF SKYUC002



SKY uni.cone  
Abutment 0°  
height 3 mm

REF SKYUC003



narrowSKY



blueSKY



SKY classic

Partially removable  
restorations



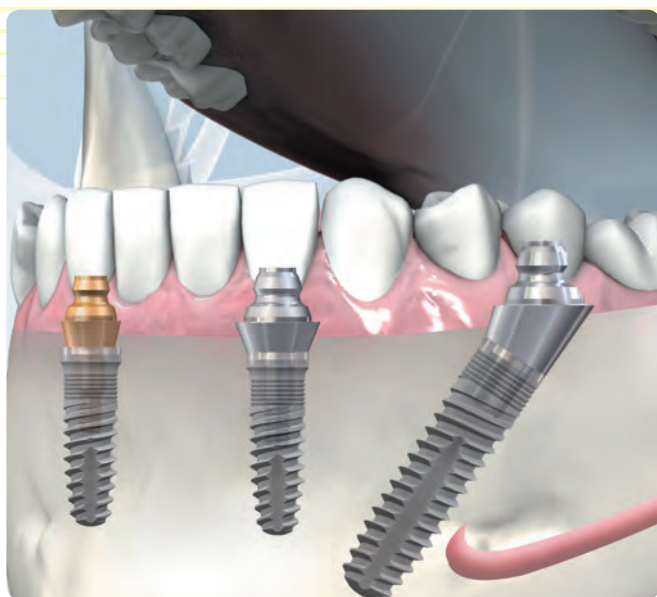
# Bridges and bars

## Abutment system

blueSKY  
SKY classic



SKY fast & fixed



Overview of the prosthetics and instruments required for a SKY fast & fixed restoration (diameter of the abutment shoulder 5.65 mm). At positions with a low jaw ridge width, implants can be restored with SKY uni.cone (diameter of the abutment shoulder 4.5 mm) in the same manner.

SKY fast & fixed /  
SKY uni.cone  
lab screw M 1.4  
grey, 10 pieces

REF SKYFFLPK

SKY fast & fixed /  
SKY uni.cone  
screw M 1.4  
blue, 6 pieces

REF SKYFFSPK



SKY fast & fixed  
prosthetic coping  
titanium  
incl. screw M 1.4  
Silicon tubing

REF SKYFFPKT



SKY fast & fixed  
Prosthetic coping  
Resin burn-out  
incl. screw 1,4

REF SKYFFPKK

Suitable surgical and prosthetic tools are found on page 50/51.

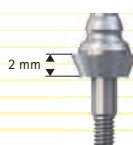


SKY fast & fixed Abutment 0°  
height 1 mm  
with integrated screw

REF SKYFT001



blueSKY



SKY fast & fixed Abutment 0°  
height 2 mm  
with integrated screw

REF SKYFT002



SKY fast & fixed Abutment 0°  
height 4 mm  
with integrated screw

REF SKYFT004

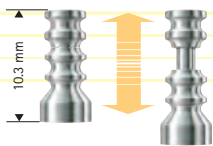
## Abutment system

4.0

blueSKY  
SKY classic

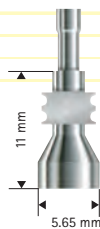


### SKY fast & fixed



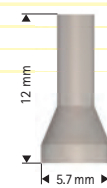
SKY fast & fixed impression coping  
Closed tray  
with integrated screw

REF SKYFFOAK



SKY fast & fixed Impression coping  
open tray  
with captive screw

REF SKYFFAOL



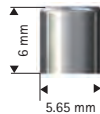
SKY fast & fixed scan coping  
intraoral/extraoral  
incl. screw 1,4

REF SKYFSCIE



SKY fast & fixed  
laboratory analog

REF SKYFFTLA



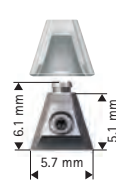
SKY fast & fixed  
Gingiva former

REF SKYFFGF2



SKY fast & fixed  
Prosthetic coping  
incl. screw 1.4  
HSL cast-on

REF SKYFFPKH



SKY fast & fixed  
Prosthetic coping  
transversal screw-retained  
Plastic modelling aid cap

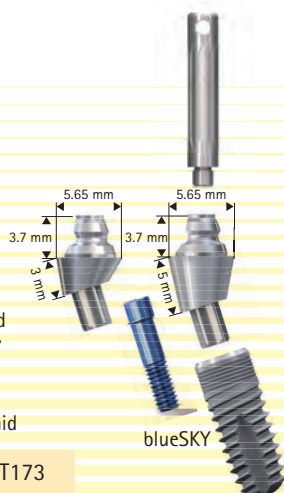
REF SKYFTPKS



SKY fast & fixed / SKY uni.cone  
Transversal screw  
6 pieces

REF SKYUFTS9

Technische Daten:  
Schmelzintervall 1770 - 1800 °C  
WAK 9 10<sup>-6</sup>K<sup>-1</sup>  
Material: Pt 90 % / Ir 10 %  
Gewicht: 0.59 g



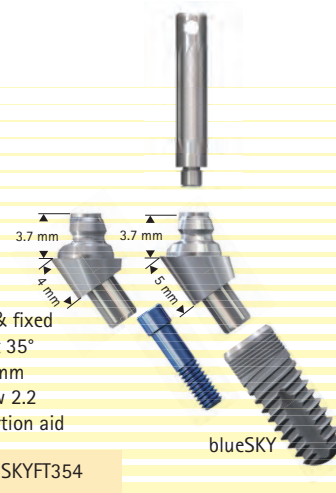
SKY fast & fixed  
Abutment 17,5°  
height 3 mm  
incl. screw 2.2  
with insertion aid

REF SKYFT173



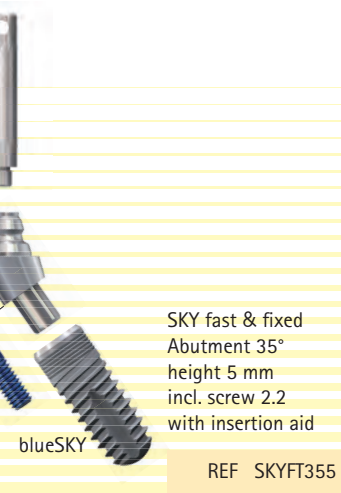
SKY fast & fixed  
Abutment 17,5°  
height 5 mm  
incl. screw 2.2  
with insertion aid

REF SKYFT175



SKY fast & fixed  
Abutment 35°  
height 4 mm  
incl. screw 2.2  
with insertion aid

REF SKYFT354



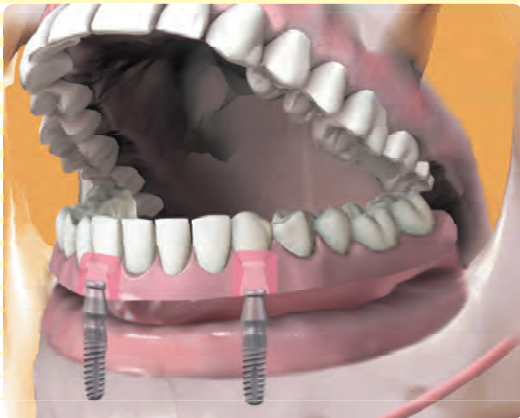
SKY fast & fixed  
Abutment 35°  
height 5 mm  
incl. screw 2.2  
with insertion aid

REF SKYFT355

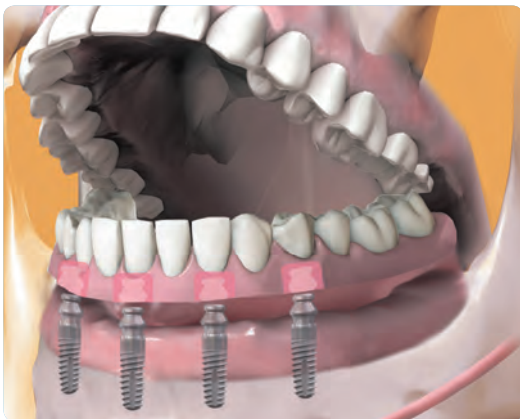
Partially removable  
restorations

# Prosthesis fixation

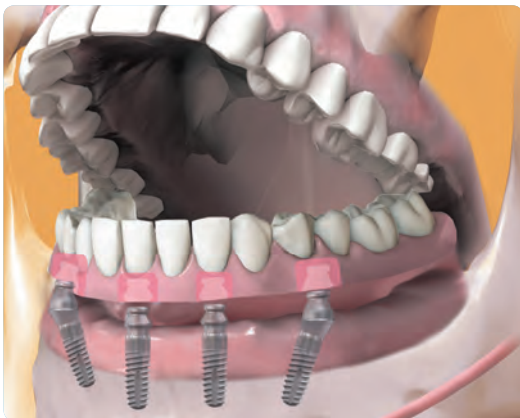
## retention.sil & SKY TiSi.snap – Application



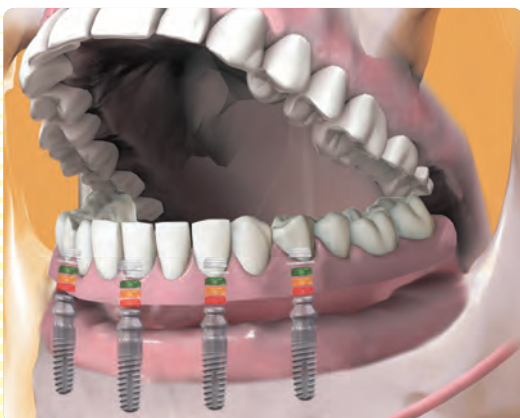
The high guide cone of the SKY TiSi.snap abutments allows safe and reliable fixation of dentures with only two implants. As a result, perfect control of the denture during removal and integration is ensured and tilting is avoided to obtain increased stability of the entire restoration during masticatory stress and provide the patient with high wearing comfort.



The low guide cone of the SKY TiSi.snap abutments is particularly suitable for dentures with slender designs. In such cases, retention.sil is integrated into the denture from the basal direction. The use of at least 3 implants with SKY TiSi.snap abutment is recommended.



In cases of low bone height, the implants can be placed at an angle to make optimum use of the local bone. Thanks to the use of angled SKY TiSi.snap abutments on implants with oblique placement, the path of insertion is adjusted.



If an increased retention force is required and the pull-off force of retention.sil is not sufficient, the pull-off force can be raised up to almost 2 kg for each part for 10° to 20° by using the Locator® retention elements.

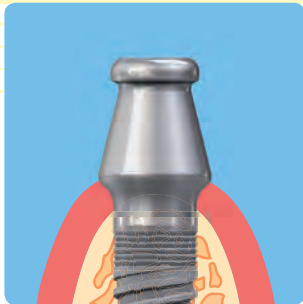
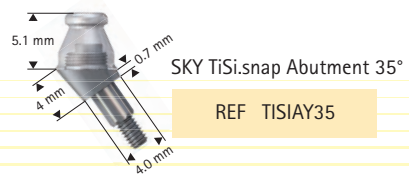
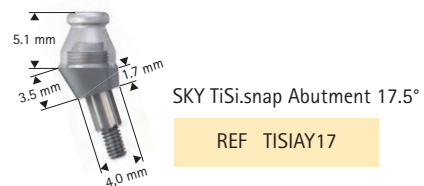
## retention.sil & SKY TiSi.snap

3.5

blueSKY  
SKY classic



4.0



retention.sil 200  
Shore hardness 25 SH  
Pull-off forces 200 g / 2 Newton



REF 580RTS25

retention.sil 400  
Shore hardness 50 SH  
Pull-off forces 400 g / 4 Newton



REF 580RTS50

retention.sil 600  
Shore hardness 65 SH  
Pull-off forces 600 g / 6 Newton



REF 580RTS65



Multisil-Primer  
5 ml

REF 520 0100 4



Special Silicon Trimmer  
Ø 4.1 mm

REF SKY-DR41

The special silicone  
cutter is suitable  
for angled and lab  
handpiece.



REF 580 RT SET

Contents:  
retention.sil in 3  
hardnesses  
Mixing Tips and  
application instrument

Removable restorations

# Prosthesis fixation

## SKY Locator®

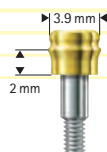
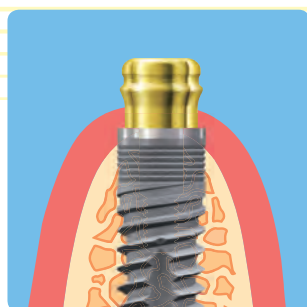
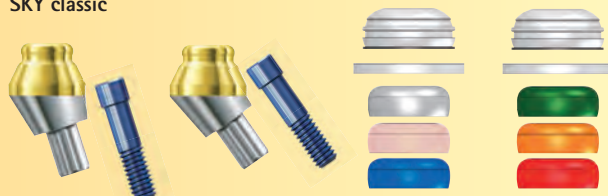
3.5

blueSKY  
SKY classic



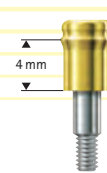
4.0

blueSKY  
SKY classic



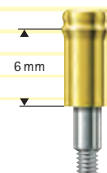
SKY Locator® Abutment  
height 2 mm

REF LOCZAB02



SKY Locator® Abutment  
height 4 mm

REF LOCZAB04



SKY Locator® Abutment  
height 6 mm

REF LOCZAB06

Due to its low structural height, the SKY Locator® offers excellent possibilities for fixing prostheses in many cases.

The long-lasting stability of the bone around the implant is supported by the built-in Platform switch.

The 3 gingival heights of 2, 4, and 6 mm cover all of the relevant clinical situations.



SKY Locator®  
Processing set 0°-10°  
2 Sets

REF LOCLAB10



SKY Locator®  
Processing set 10°-20°  
2 Sets

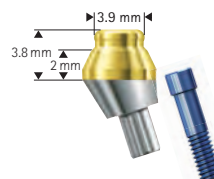
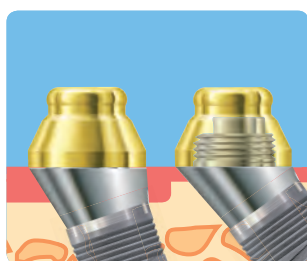
REF LOCLAB20

Material:  
Titanium TiN-coated  
Torque: 25 Ncm



**Qu-resin rosa**  
Assortment 14 pieces  
1 cartridge 50 ml  
1 Qu-connector 10 ml  
12 mixing cannulas,  
size 1, blue

REF 540 0116 1



SKY Locator® Abutment  
17,5°  
Height 2 mm

REF LOCAB172



SKY Locator® Abutment  
35°  
Height 2 mm

REF LOCAB352

Material:  
Titanium TiN-coated  
Torque: 25 Ncm

The original Locator® on an angled SKY base opens up new prosthetic horizons. The two-component design corrects the insertion direction:

- Locator® base 17.5°
- Locator® base 35°

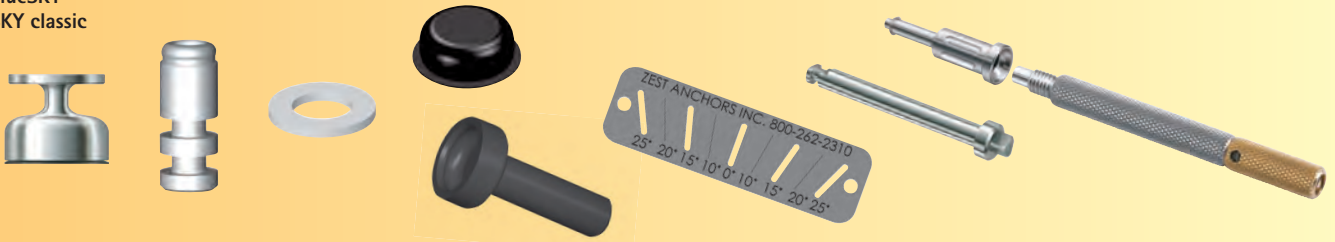
The Locator® coping is the same for both products. Furthermore, the prostheses can now have better posterior support.

All Locator® retention elements can be used.



## Accessories SKY Locator®

blueSKY  
SKY classic



**Impression coping**  
4 pieces

REF LOCZAK40



**Laboratory analog**  
4 pieces

REF LOCZLA40



**Blocking out ring**  
20 pieces

REF LOCblock



**Processing insert  
black**  
4 pieces

REF LOCZVA11



**Angular measuring  
abutment, 4 pieces**

REF LOCZWIMP



**Angular measuring  
gauge, 1 pieces**

REF LOCZWIML



0°-10°

**Retention insert**  
blue, 6.7 N, 680 g  
4 pieces

REF LOCR1006



**Retention insert**  
pink, 13.4 N, 1365 g  
4 pieces

REF LOCR1013



**Retention insert**  
transparent, 22.3 N, 2270 g  
4 pieces

REF LOCR1022



10°-20°

**Retention insert**  
red, 6.7 N, 680 g  
4 pieces

REF LOCR2006



**Retention insert**  
orange, 9.1 N, 907 g  
4 pieces

REF LOCR2009



**Retention insert**  
green, 17.8 N, 1815 g  
4 pieces

REF LOCR2018



**SKY Locator®  
Instrument**  
1 pieces

REF LOCZINST



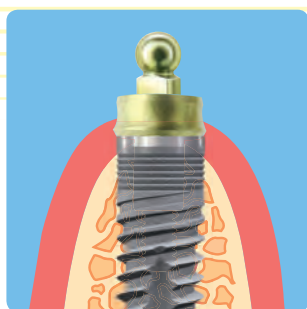
**SKY Locator®  
Angular insertion  
instrument, 1 pieces**

REF LOCZWED6

# Prosthesis fixation

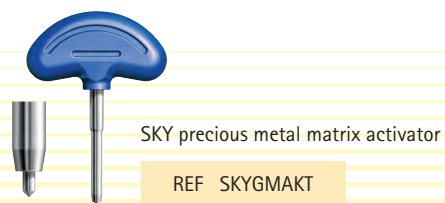
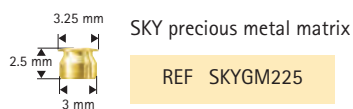
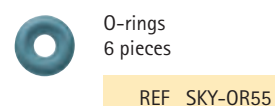
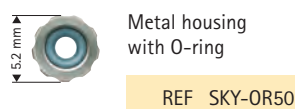
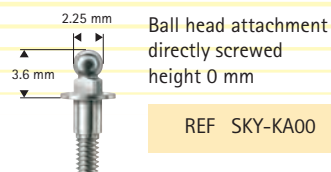
## Ball head attachments

blueSKY  
SKY classic



Based on the gingiva former, the patrix is screwed in after replacing the screw.  
Various matrix systems are available:

- SKY metal housing with O-ring
- SKY precious metal matrix



## SKY Bar Abutment



blueSKY  
SKY classic



Based on the titanium gingiva formers, three abutments are available for the fabrication of the bars:

- burn-out base
- cast-on HL base
- titanium base

Improved soft tissue situation thanks to the use of the gingiva former - healing process is not affected. High flexibility when selecting materials. Fewer components, hence more efficient.

Bar abutment, titanium



REF SKY-ST11

Bar abutment, burn-out plastic



REF SKY-SK11

Bar abutment, HL



REF SKY-SH11

Technical data:

Melting interval 1400 - 1490 °C  
WAK (thermal expansion coefficient)  
11,9 - 12,2  $10^{-6}K^{-1}$   
(Au 60 %, Pd 20 %, Pt 19 %, Ir 1 %)  
Weight: 0.63 g



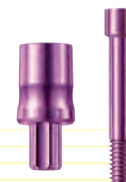
Bar base, height 2 mm  
incl. screw 2.4

REF SKY-SB02



Bar base, height 4 mm  
incl. screw 2.4

REF SKY-SB04



Bar base, height 6 mm  
incl. screw 2.4

REF SKY-SB06



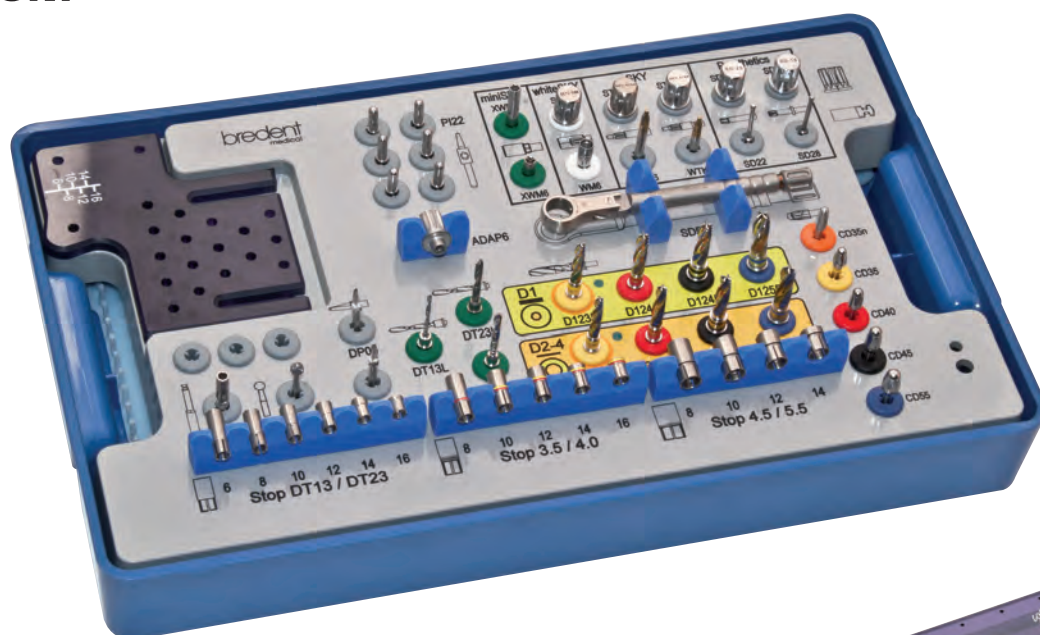
Spacer analog incl. screw 2.4

REF SKY-DA77

Material: Titanium  
Torque: 25 Ncm

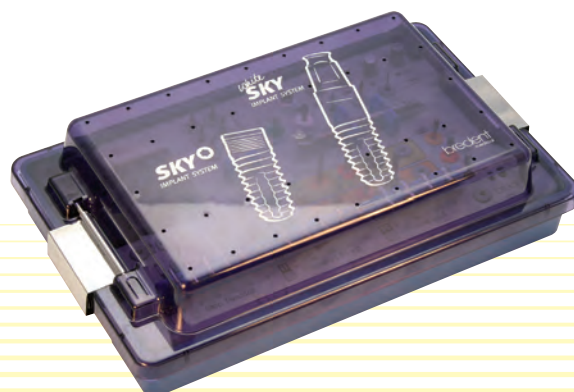
## Technical specifications SKY

### Six implants – one set of instruments



SKY OP-Kit OT21

REF SKYXOT21



A study by the University of Belgrade showed that, when using the SKY drill, only a small amount of heat was generated in the bone.

Source: Markovi et al: Heat generation during implant placement in low-density bone: effect of surgical technique, insertion torque and implant macro design. Clin Oral Implants Res. 2013 Jul;24(7):798-805. DOI: 10.1111/j.1600-0501.2012.02460.x. Epub 2012 Apr 2.

## Surgical protocol tailored to bone quality

### Bone density from hard to soft

#### Hard bone

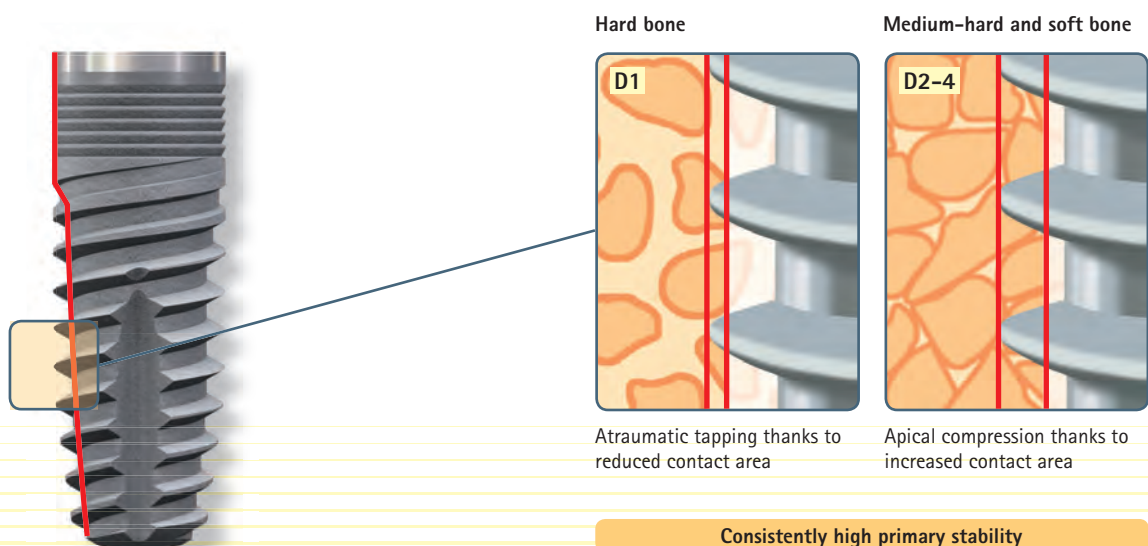
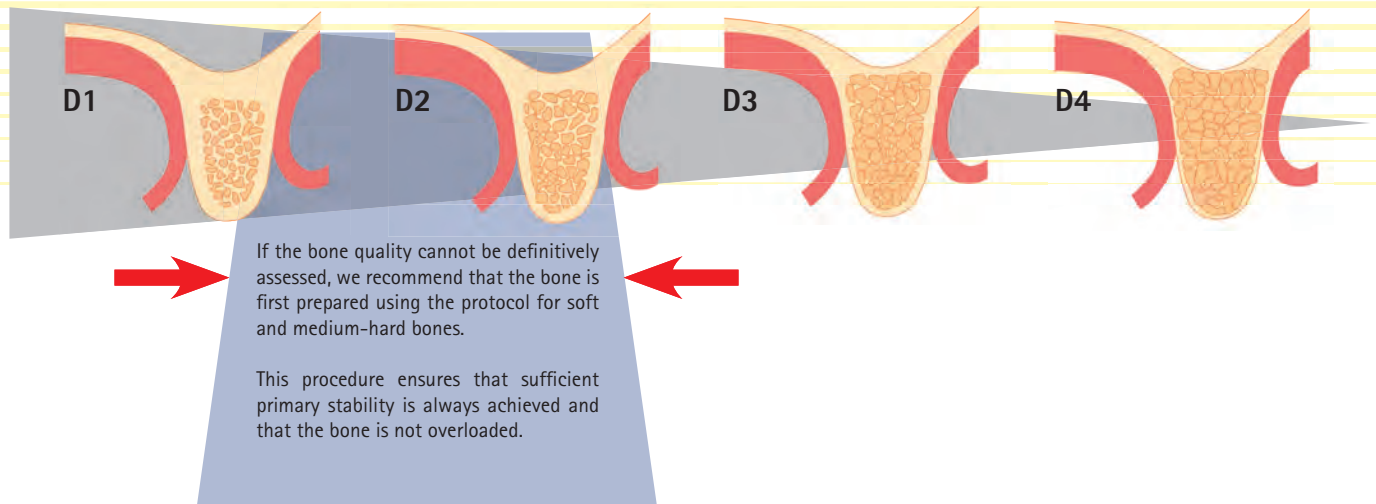
##### Atraumatic tapping

Prevention of bone overloading during surgery

#### Medium-hard to soft bone

##### Bone compression

Achieving primary stability





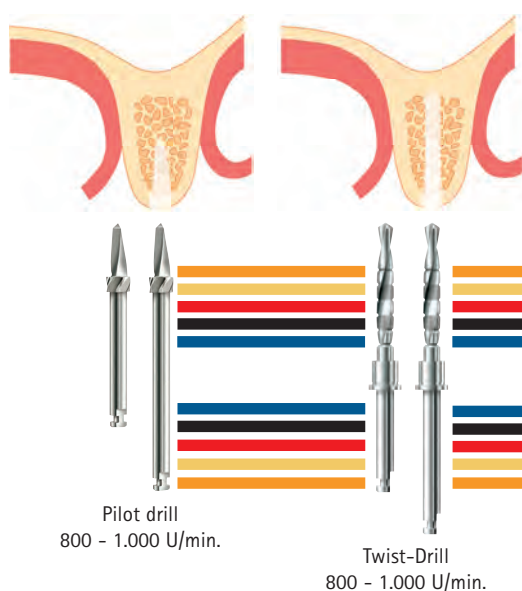
# Technical specifications SKY

## Surgical protocol tailored to bone quality

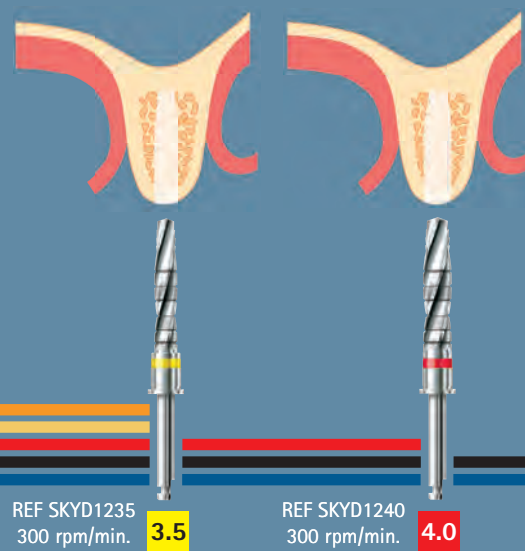
- Optimized, bone quality-oriented set of instruments and surgical protocol for unsurpassed primary stability
- Drills with detachable drill stops
- Reduction of the number of drills for increased control and dependability during surgery

narrow SKY<sup>®</sup>  
IMPLANT SYSTEM

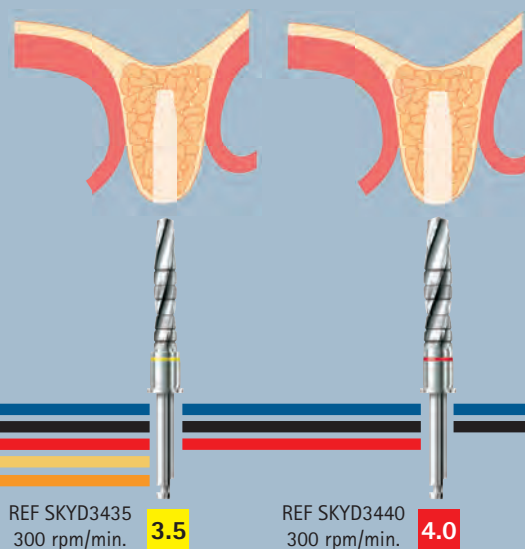
blue SKY<sup>®</sup>



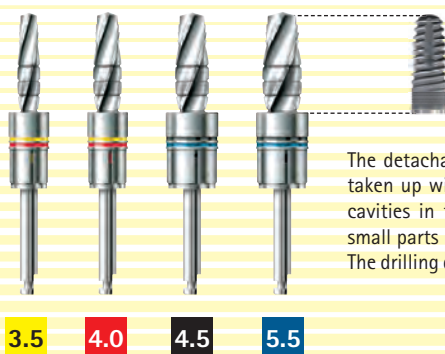
### Hard bone D1



### Medium hard / soft bone D2-D4



## Detachable drill stops

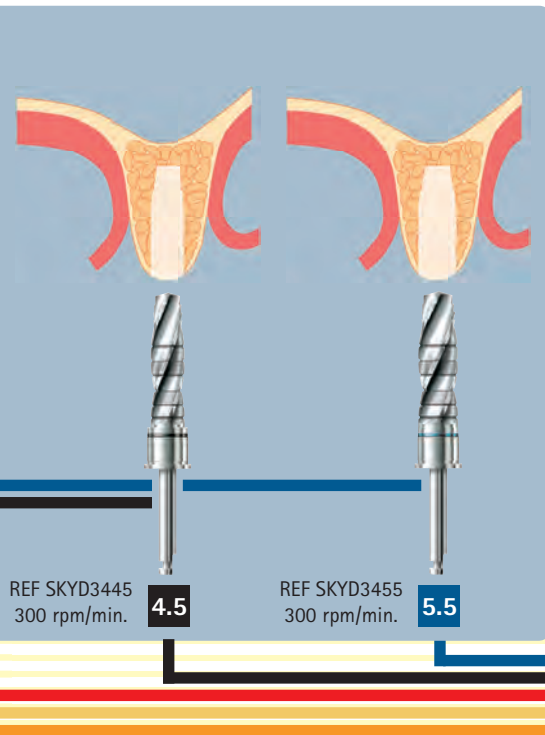
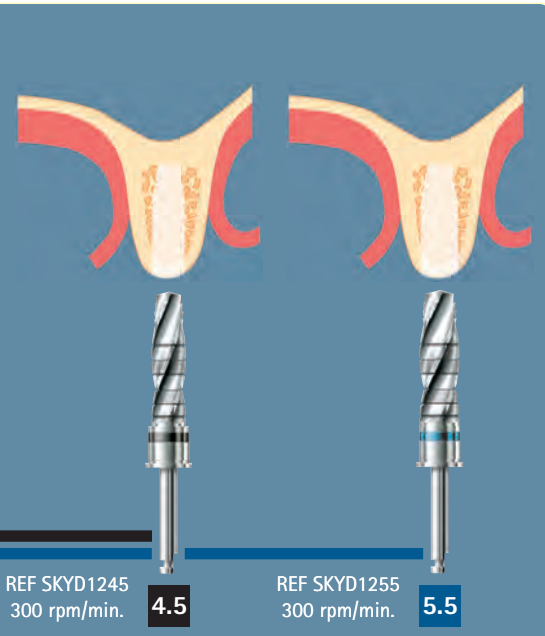


The detachable drill stops are arranged so that they can be easily taken up with the drill and fastened with one hand thanks to the cavities in the OP-Tray insert. The ruler on the compartment for small parts helps to select the correct drill stop easily and quickly. The drilling depth is approx. 0.7 mm greater than the implant length.

3.5 4.0 4.5 5.5

**SKY**  
classic

white  
**SKY**

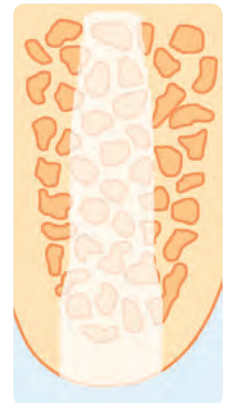
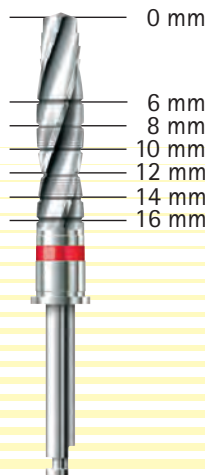
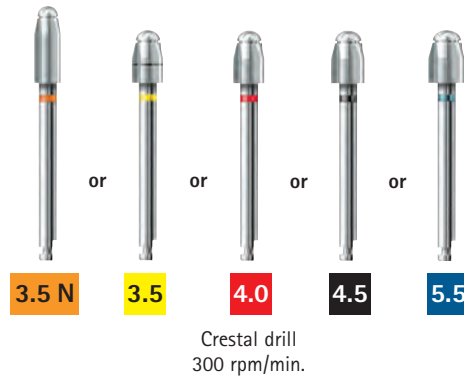
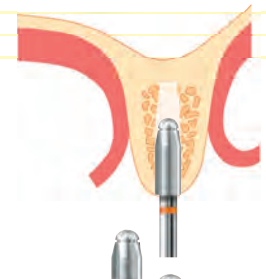
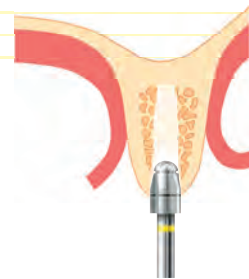


With the 3.5 diameter blueSKY and SKY classic implants, the crestal drill is only sunk up to the laser marking.

In the following implants:

- narrowSKY
- blueSKY 4.0 to 5.5
- SKY classic 4.0 to 4.5

the crestal drill is completely inserted.



Surgical/prosthetic  
protocol

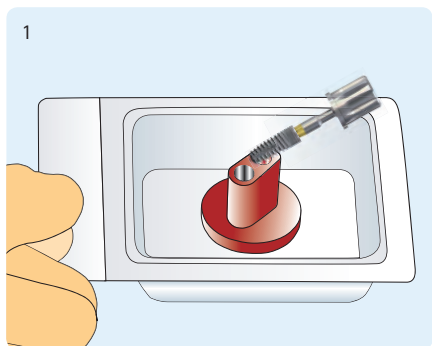
## Technical specifications SKY

### Fast, reliable and atraumatic implant placement



Removing and screwing in the implant and the cover screw without changing instruments.

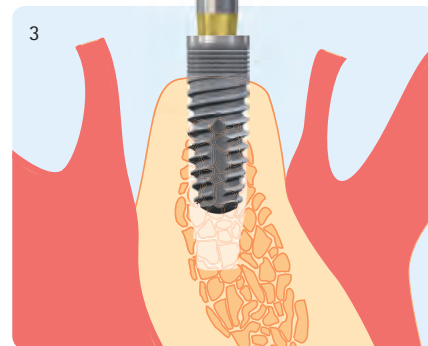
blueSKY and SKY classic implants come in double-sterile packaging. They are supplied in a colour-coded carrier with details of the applicable length so that mistakes can be avoided. After opening the Tyvek-Folie® foil, it can be directly removed using the SKY TK insertion instrument.



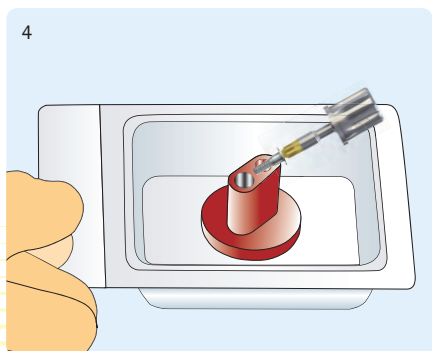
1 Open the new double sterile packaging. Remove the implant with the insertion instrument for the ratchet or the contra-angle.



2 The conical Torx® allows to hold the implant safely.



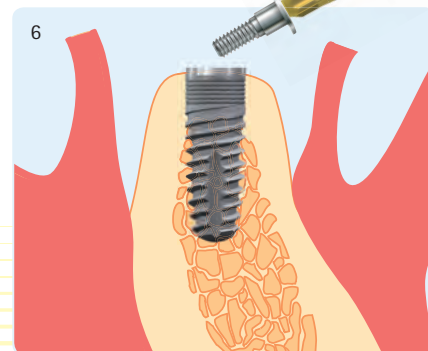
3 The implant is inserted and can be screwed in immediately.



4 The cover screw can be removed using the same instrument.






5 The cover screw is held securely by the cone.



6 Screw the screw directly into the implant. The smooth cone ensures that the screw only needs to be slightly tightened and cannot become jammed. Recommended max. torque: 10 Ncm.

## Order information


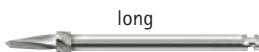
### Drill stops

Twist-Drill			L6	L8	L10	L12	L14	L16
		REF	SKYXST06	SKYXST08	SKYXST10	SKYXST12	SKYXST14	SKYXST16
Drill		REF	-	SKYS0840	SKYS1040	SKYS1240	SKYS1440	SKYS1640
Drill		REF	-	SKYS0845	SKYS1045	SKYS1245	SKYS1445	-




### Bone bur rpm/min 800-1.000

Ø 4.1		REF SKY-DR41
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### Pilot drill rpm/min 800-1.000

Ø 3.1		REF SKY-DP06
Ø 3.1		REF SKY-DP08





### Twist-Drill rpm/min 800-1.000

Ø 1.3		REF SKYDT13L
Ø 2.25		REF SKYDT23K
Ø 2.25		REF SKYDT23L






### Drill for hard bone rpm/min 300

Ø 3.2		REF SKYD1235	3.5	3.5 N
Ø 4.8		REF SKYD1240	4.0	
Ø 4.3		REF SKYD1245	4.5	
Ø 5.0		REF SKYD1255	5.5	

### Drill for medium hard and soft bone rpm/min 300

Ø 3.06		REF SKYD3435	3.5	3.5 N
Ø 3.56		REF SKYD3440	4.0	
Ø 4.06		REF SKYD3445	4.5	
Ø 4.76		REF SKYD3455	5.5	

### Crestal drill rpm/min 300

Ø 3.5		REF SKYCD35n	narrowSKY
Ø 4.0		REF SKYXCD35	blueSKY, SKY classic
Ø 4.0		REF SKYXCD40	blueSKY, SKY classic
Ø 4.5		REF SKYXCD45	blueSKY, SKY classic
Ø 5.2		REF SKYXCD55	blueSKY

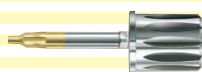
### SKY Drill extension

	REF SKY-DV12
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Dimensions in mm

# Technical specifications SKY

## Surgical tools



REF SKY-STK5

**SKY TK mounter for ratchet short**



REF SKY-STK6

**SKY TK mounter for contra-angle long**



REF SKY-WTK5

**SKY TK mounter for contra-angle short**



REF SKY-WTK6

**SKY TK mounter for contra-angle long**



REF mSKYXWM6

**miniSKY insertion instrument, contra-angle short**



REF mSKYXWM7

**miniSKY insertion instrument, contra-angle long**



REF SKYADAP6

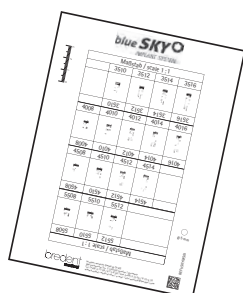
**SKY Adapter**

REF SKY-PI22

**Parallel indicator** with conical and cylindrical side, thicker central area with hole for protection against accidental dropping

REF SKYFFS35

**SKY fast & fixed Angulation aid set 35°**



REF bSKYMS01

**blueSKY / narrowSKY X-ray-templates**

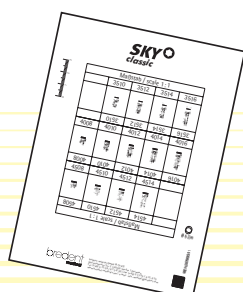
Scale 1:1

REF bSKYMS12

Scale 1,12:1

REF bSKYMS26

Scale 1,26:1



REF kSKYMS01

**SKY classic X-ray-templates**

Scale 1:1

REF kSKYMS12


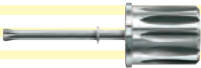









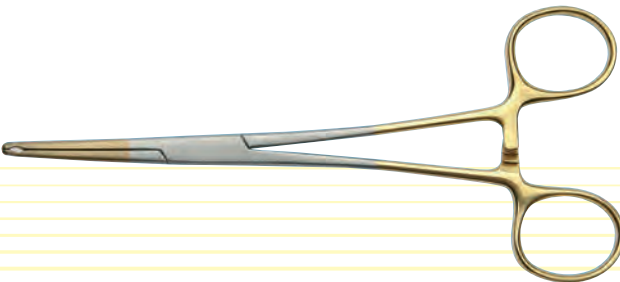

Scale 1,12:1

REF kSKYMS26

Scale 1,26:1



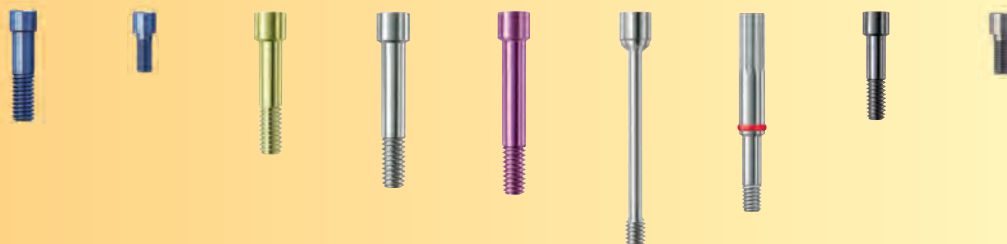
## Prosthetic tools

	REF SKY-SD16	SKY prosthetic key short
	REF SKY-SD25	SKY prosthetic key long
	REF SKY-SD22	SKY prosthetic key for contra-angle short
	REF SKY-SD28	SKY prosthetic key for contra-angle long
	REF LOCZWED6	SKY Locator® mounter for contra-angle
	REF SKYADAP6	SKY Adapter
	REF LOCZINST	SKY Locator® Instrument
	REF SKY-SD21	SKY prosthetic key for ball abutments
	REF 310W0106	Screwdriver Alle 0.9 for transversal screw-retention
	REF SKY-SD50	SKY Torque ratchet Adjustable from 10 to 30 Ncm. Is directly attached onto the key or mounter.
	REF SKY-SD80	SKY Laboratory handle incl. SD-22 High-grip tool for the laboratory. One working end for contra-angle instruments or square tap. The other end corresponds to SD-21 for screwing in ball abutments.
	REF SKY-SD60	SKY Universal forceps The universal forceps with titanium-coated gripping surface to hold implants and abutments, also suitable to hold prosthetic keys.
	REF SKY-SD65	SKY Key holder The useful and compact holding tool for all prosthetic instruments.

# Technical specifications SKY

## Screws

blueSKY  
SKY classic



In two posters presented at the SKY Meeting 2012, Dr. Wentaschek from the University of Mainz illustrated how Pre-tension can be significantly reduced by repeatedly tightening the screw. Pretension is the decisive crucial factor for the implant-abutment connection. It is therefore recommended that

the appropriate laboratory screws are used in the laboratory, in order to prevent screw loosening. These results can be transferred to the recall. In this case, we recommend replacement of the screws when the abutment is removed for cleaning.

### Clinical screws



SKY prosthetic screw 2.2  
blue, 6 pieces

REF SKY-PS22



SKY fast & fixed and SKY uni.cone  
M1.4 for prosthetic coping screw 2.2  
blue, 6 pieces

REF SKYFFSPK



SKY adjustment screw 2 mm  
3 pieces

REF SKY-DS02



SKY adjustment screw 4 mm  
3 pieces

REF SKY-DS04



SKY adjustment screw 6 mm  
3 pieces

REF SKY-DS06



SKY impression screw  
closed trays  
6 pieces

REF SKY-PS18



SKY aesthetic impression  
screw, open trays, short  
6 pieces

REF SKYAPS18

### Laboratory screws



SKY lab screw PS22  
grey, 10 pieces

REF SKYLP522



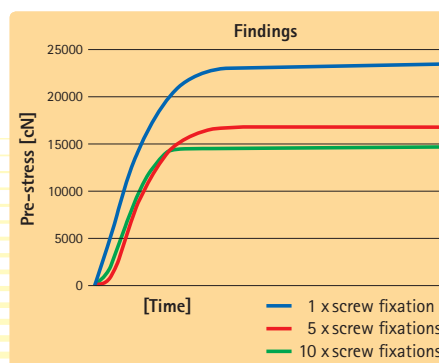
SKY fast & fixed and SKY uni.cone  
lab screw M1.4  
grey, 10 pieces

REF SKYFFLPK



Spacer analog incl. screw 2.4

REF SKY-DA77



Repeatedly tightening the screws reduces pre-tension by up to 40 %.

Source: S. Wentaschek et al: Reibungskoeffizient und Vorspannung beim Implantat-Abutment-Schraubenverbindungen [Coefficient of friction and pre-tension in implant abutment screw connections]; Scientific Book SKY Meeting 2012; S. 54-55; bredent medical GmbH & Co. KG, ISBN 978-3-00-038740-1

## Torque specification

SKY cover screw 25 rpm 10 Ncm



SKY gingiva former 25 rpm 10 Ncm



SKY impression abutments 25 rpm 10 Ncm



SKY temp 25 rpm 18 Ncm



SKY abutments 25 rpm 25 Ncm



SKY fast & fixed  
SKY uni.cone  
Prosthetic screw 25 rpm 18 Ncm



# Technical specifications

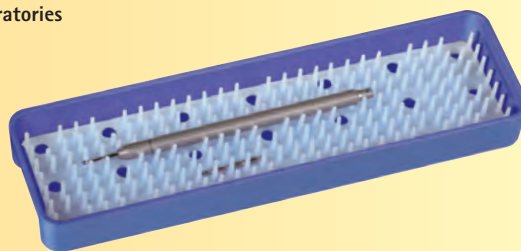
## SKY prosthetic assortment

### Practice



The torque ratchet in the SKY prosthetic case for practices ensures that all prosthetic components of the SKY System can be tightened permanently and reliably. The case contains two screwdrivers – short and long – for fixation of all abutments as well as the screwdriver for the SKY ball head attachments. The screwdrivers for the SKY Locator® and for transverse screwing are used with the adapter and the ratchet.

### Laboratories

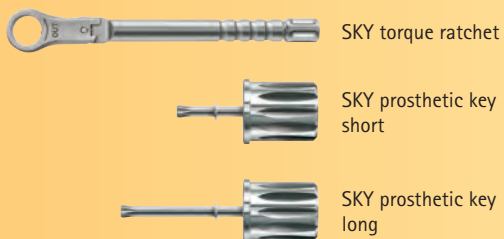


The long laboratory handle contained in the SKY prosthetic case for laboratories enables perfect handling and use of the screws on the master models. Appropriate latch-grip screwdrivers are securely held in the adapter for contra-angles and can be exchanged easily. As a result, the SKY abutment screws of the SKY Locator® and the transversal screw can be easily fastened and unfastened. The screwdriver for the SKY ball head attachment is located at the other end of the laboratory handle.

### SKY prosthetic assortment practice

REF SKYPET10

#### Content:

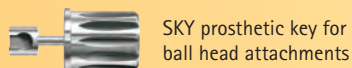


SKY torque ratchet

SKY prosthetic key short

SKY prosthetic key long

The following components can also be selected



SKY prosthetic key for ball head attachments



SKY adapter, instruments for contra-angles



Screwdriver, Allen screw 0.9 for transversal screw-retention



SKY Key holder

### SKY prosthetic assortment laboratories

REF SKYPET20

#### Content:



SKY laboratory handle



SKY prosthetic key for contra-angles

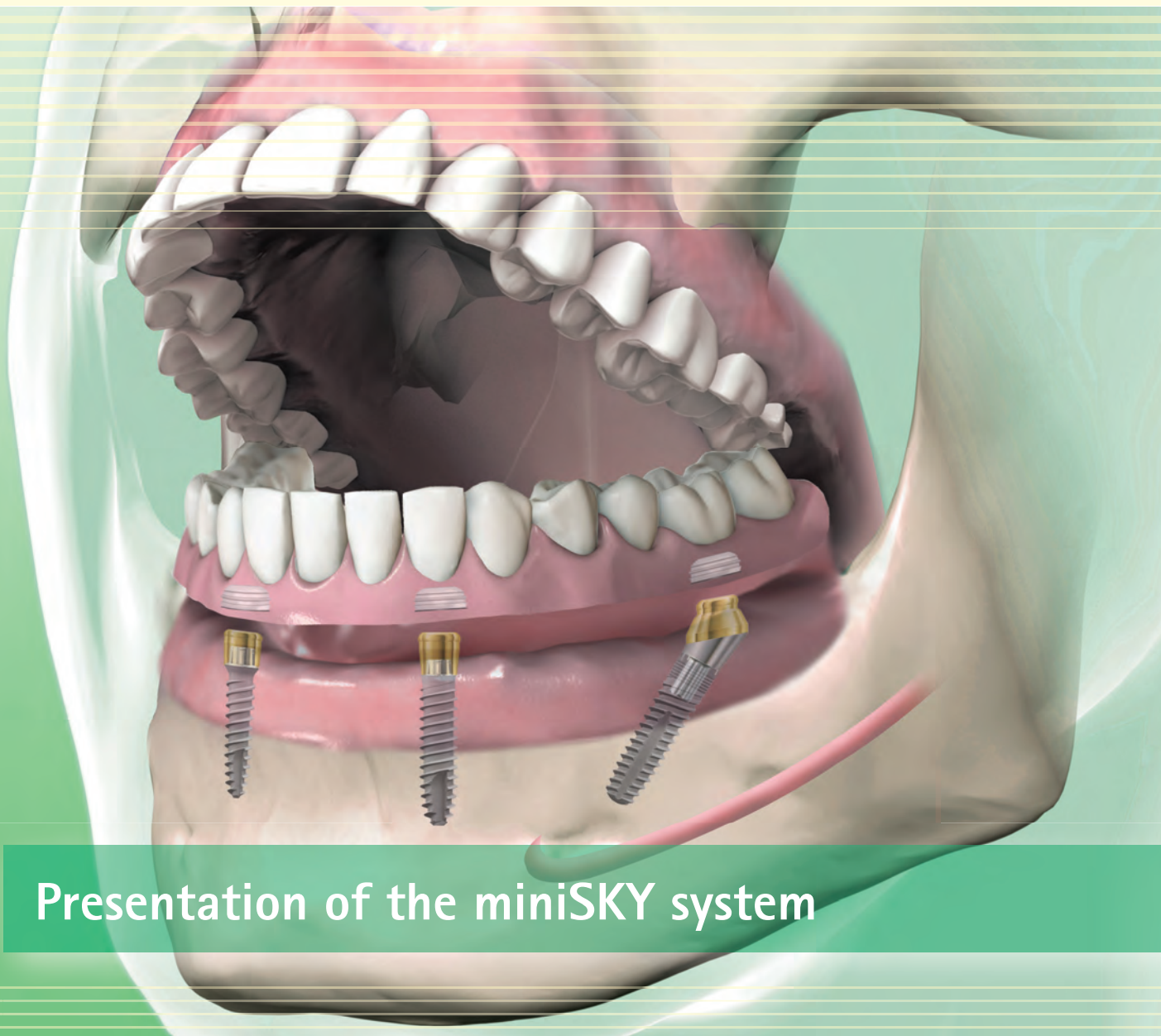
The following components can also be selected



SKY Locator® mounter for contra-angles



Screwdriver, Allen screw 0.9 for transversal screw retention



## Presentation of the miniSKY system

## miniSKY Implant system

### The solution for badly atrophied jaws and narrow gaps

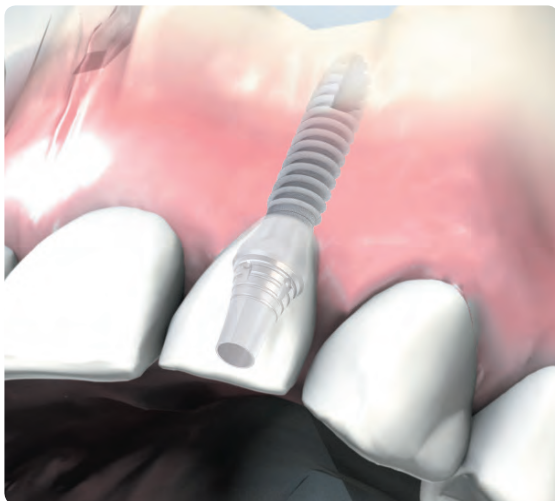


#### Problems in older patients who have already lost their teeth:

- Severely atrophied jaw
- Prosthesis will no longer hold
- Eating difficulties
- Fear of major surgical interventions
- Fear of social isolation

#### miniSKY for prosthesis fixation:

- mini<sup>1</sup>SKY with ball head and O-ring or precious metal matrix
- mini<sup>2</sup>SKY with locator



#### Problems in patients with very narrow tooth gaps:

- Narrow edentulous space
- Aesthetic restoration required
- Low bone level despite remaining teeth

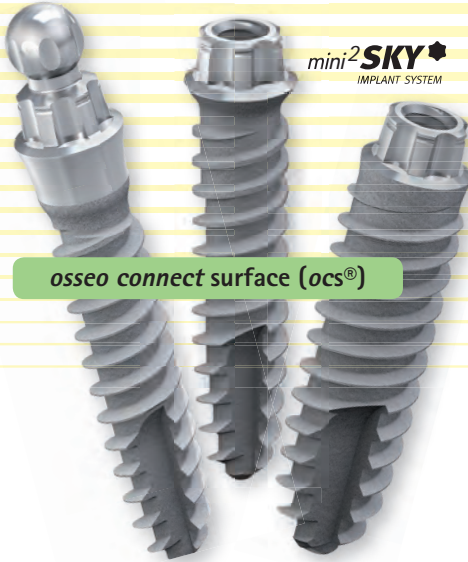
#### mini<sup>2</sup>SKY for aesthetic restoration of narrow gaps:

- Two implant diameters and one implant platform
- Semi-transgingival implant avoids a second operation
- Conical outer connection ensures a secure and long-lasting connection



## miniSKY diameter-reduced implants

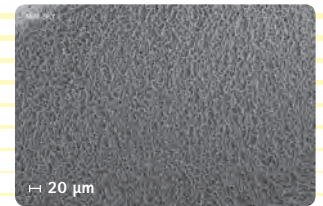
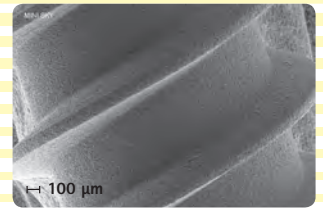
mini<sup>1</sup>**SKY**★  
IMPLANT SYSTEM



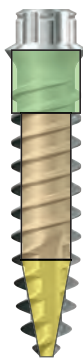
mini<sup>2</sup>**SKY**★  
IMPLANT SYSTEM

The mini<sup>1</sup>SKY and mini<sup>2</sup>SKY Implantate feature the proven *osseo connect* surface (ocs®) of the blueSKY implants to ensure fast and reliable osseointegration.

The SEM photos show the uniformly rough surface which provides ideal preconditions for the apposition of osteoblasts, which is supported by the exceptional hydrophilic properties of the implants.

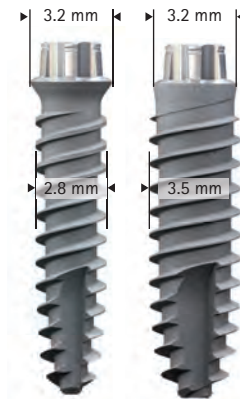


## miniSKY - Technical data



Three-step  
functional design

- Cortical relief
- Central stabilization
- Special tip

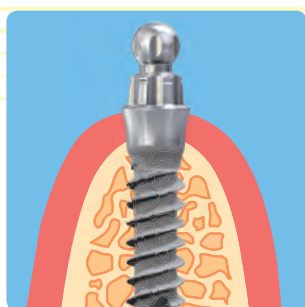


- Implant Platform  
3.2 mm
- Implant diameter  
2.8 mm und 3.5 mm
- Self-tapping thread
- Titanium grade IV,  
cold-formed
- Double thread

# mini<sup>1</sup>SKY Implant system

## mini<sup>1</sup>SKY – Fixation of prostheses in severely atrophied jaws

mini<sup>1</sup>SKY

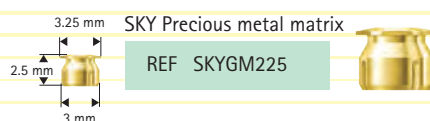


### Fixation of prostheses on mini<sup>1</sup>SKY with

- SKY precious metal matrix
- SKY o-ring matrix

### Note

In this case, it is necessary to wait for the osseointegration of the implants, prior to loading.



SKY Precious metal matrix

REF SKYGM225



SKY O-ring

REF SKY-OR50



O-ringe  
6 pices

REF SKY-OR55

2.25 mm

mini<sup>1</sup>SKY  
Implant analog

REF m1SKYXIA



### Qu-resin rosa

Assortment 14 pieces  
1 cartridge 50 ml  
1 Qu-connector 10 ml  
12 mixing cannulas,  
size 1, blue

REF 540 0116 1



mini<sup>1</sup>SKY 2.8

Length 6 mm

REF m1SKYL06

Length 10 mm

REF m1SKYL10

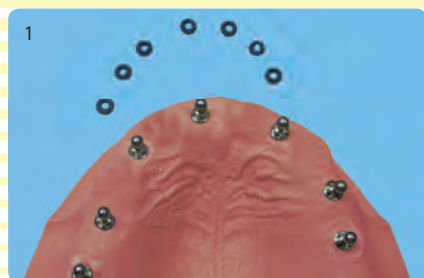
Length 12 mm

REF m1SKYL12

Length 14 mm

REF m1SKYL14

## mini'SKY – Impression and model production



Initial situation



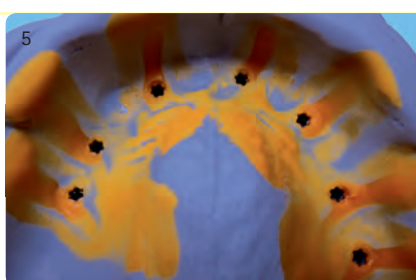
When making an impression of the mini'SKY implants, the o-ring (SKY-OR55) is placed over the ball head



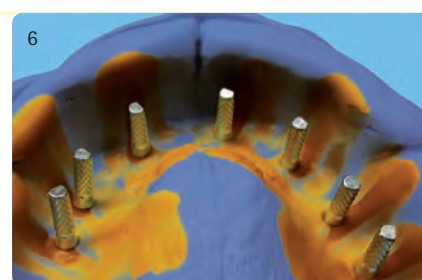
The torx of the mini'SKY implants and the o-rings is then fully molded using the impression material, brecision implant light (580 BL050).



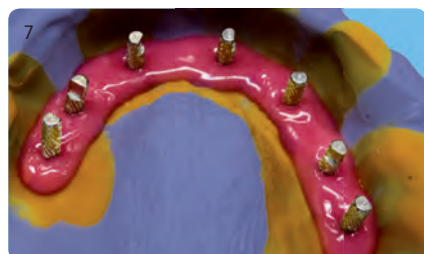
At the same time, the impression material brecision implant heavy (580 BH38 0) is added to an impression tray and applied to the area being molded.



Once the impression material has cured, it is possible to carefully remove the impression tray. The o-rings remain in the impression. The torx of the mini'SKY implants is clearly recognizable and aids repositioning of the laboratory analog.



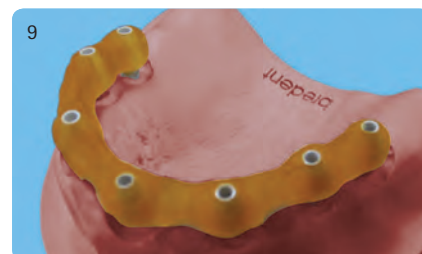
When repositioning the implant analog (m1SKYX-IA), it is necessary to bear in mind that the torx geometry in the impression material corresponds with the orientation of the torx from the implant analog.



Using a gingival mask, Multisil-Mask hard (540 0113 4), the implant analog must be blocked,



ensuring that the exact position of the implant analog is maintained during model fabrication.



Control using a bridge framework has resulted in a high level of precision between the initial model and the model from the impression.



O-ring  
6 pieces

REF SKY-OR55



2 x 50 ml Multisil-Mask hard  
in cartridges  
24 mixing cannulas

REF 540 0113 3



brecision implant heavy  
Impression material blue  
1 x 380 ml  
5 x dynamic mixers  
1 x bayonet ring yellow

REF 580 BH38 0



brecision implant light  
Impression material orange  
2 x 50 ml  
10 mixing cannulas yellow  
10 Intra-oral tips

REF 580 BL05 0

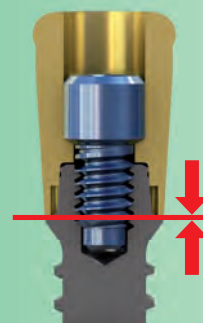
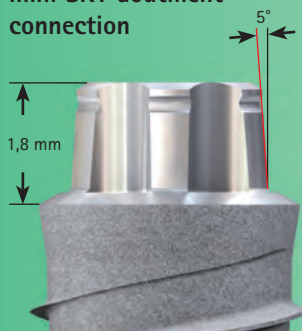
# mini<sup>2</sup>SKY Implant system

## mini<sup>2</sup>SKY Implant abutment connections

### Competing abutment connection



### mini<sup>2</sup>SKY abutment connection



- High implant abutment connection
- Minimal play owing to 5° cone
- Exceptional stability
- Definitive positioning of the suprastructure

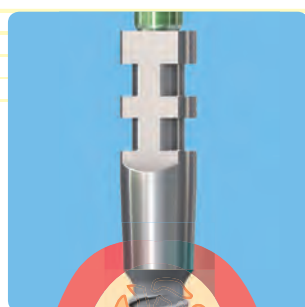
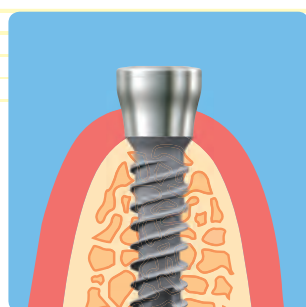
## Semi-transgingival healing



### Gentle for patients

- Transgingival healing
- Only one surgical intervention which can often be carried out in a minimally invasive manner

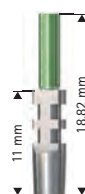
## mini<sup>2</sup>SKY – Impression and model fabrication



mini<sup>2</sup>SKY  
Gingiva former

REF m2SKYGF3

Material: Titanium  
Torque: 10 Ncm



mini<sup>2</sup>SKY  
Impression Abutment  
open tray

REF m2SKYPA1



mini<sup>2</sup>SKY  
Implant analog

REF m2SKYXIA

Material: Titanium  
Torque: 10 Ncm

### mini<sup>2</sup>SKY Gingiva former

The mini<sup>2</sup>SKY gingiva former completely covers the high precision torx and supports and ideally molds the soft tissue.

In order to mould mini<sup>2</sup>SKY implants, the mini<sup>2</sup>SKY impression abutment open tray (m2SKYPA1) is screwed onto the implants and moulded according to the standard procedure for the open-tray technique.

In order to produce the master model, the mini<sup>2</sup>SKY implant analog (m2SKYXIA) is screwed to the mini<sup>2</sup>SKY impression abutment and the model is manufactured from super-hard stone.

Transgingival healing with a prefabricated or individual gingiva former spares the patient a second intervention.



mini<sup>2</sup>SKY 2.8

Length 10 mm

REF m2SKYL10

Length 12 mm

REF m2SKYL12

Length 14 mm

REF m2SKYL14



mini<sup>2</sup>SKY 3.2

Length 8 mm

REF m2SK3208

Length 10 mm

REF m2SK3210

Length 12 mm

REF m2SK3212

Length 14 mm

REF m2SK3214

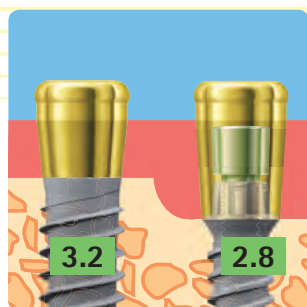
mini<sup>2</sup>SKY is supplied with a gingiva former for healing. A cover screw is therefore not supplied.



# mini<sup>2</sup>SKY abutments

## mini<sup>2</sup>SKY Locator<sup>®</sup> abutment

mini<sup>2</sup>SKY



3.9 mm  
2 mm  
miniSKY Locator<sup>®</sup>  
height 2 mm  
1 pieces

REF m2SKYLC2

4 mm  
miniSKY Locator<sup>®</sup>  
height 4 mm  
1 pieces

REF m2SKYLC4

The mini<sup>2</sup>SKY Locator<sup>®</sup> is available in heights of 2 mm and 4 mm and provides special protection against rotation for simple placement of the mini<sup>2</sup>SKY Locator<sup>®</sup> on the external precision torx of the mini<sup>2</sup>SKY implant to avoid screw loosening.

The appropriate retaining screw is used for fixation. This ensures that the load is distributed via the precision torx in the implant and the screw is protected from overloading. The original Locator<sup>®</sup> retention inserts 20° can be used for this procedure.

Material:  
Titanium TiN-coated  
Torque: 20 Ncm

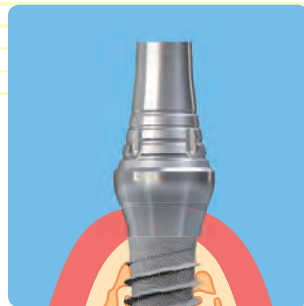
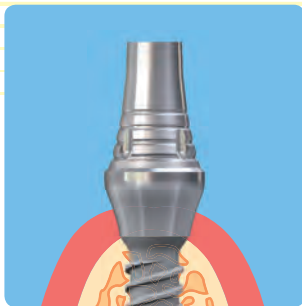
Locator<sup>®</sup>  
Processing set  
2 sets

REF LOCLAB20

**Additional Locator<sup>®</sup> accessories –  
see page 41**

## mini<sup>2</sup>SKY – Restoration of narrow gaps

mini<sup>2</sup>SKY



mini<sup>2</sup>SKY  
MD-Abutment titan

REF m2SKYMDT

Material: Titanium  
Torque: 20 Ncm



mini<sup>2</sup>SKY  
MD-Abutment BioXS

REF m2SKYMDB

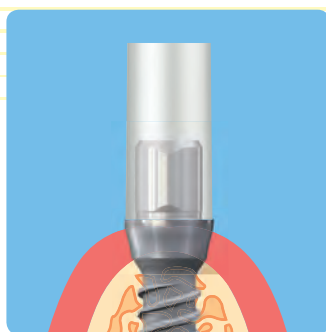
Material: BioXS  
Torque: 20 Ncm

The high precision torx® ensures optimal load distribution of the abutment in the implant, which prevents screw loosening and guarantees the longevity of the connection.

# mini<sup>2</sup>SKY abutments

## mini<sup>2</sup>SKY Individual abutment

mini<sup>2</sup>SKY



mini<sup>2</sup>SKY  
uni.fit abutment  
1 piece

REF m2SKYUFA

Material: Titanium  
Torque: 20 Ncm



Modelling sleeve  
10 pieces

REF UFCADMOD

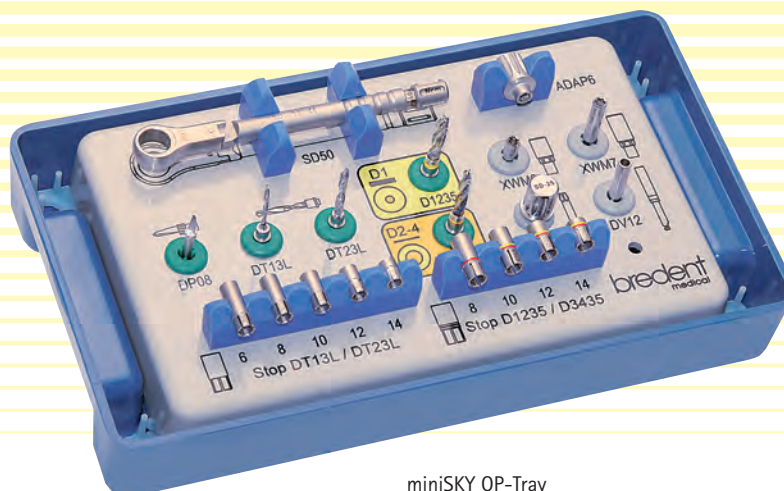
With the new mini<sup>2</sup>SKY uni.fit abutment, laboratory-produced individual abutments can be manufactured on mini<sup>2</sup>SKY, which means that optimal aesthetics can be achieved even in narrow gaps. The individual abutments are cemented in the laboratory on the very low titanium base.

## OP-Tray with drills and instruments

The miniSKY OP tray, OT 41, contains all of the drills and instruments needed for inserting the miniSKY implants.

All of the instruments can be easily assigned and identified by means of the images and order numbers.

The miniSKY OP-tray OT41 can be easily cleaned and sterilised. Owing to its small dimensions, it also fits on any operating table.



miniSKY OP-Tray

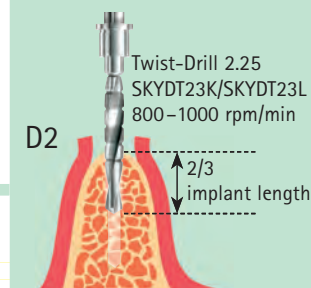
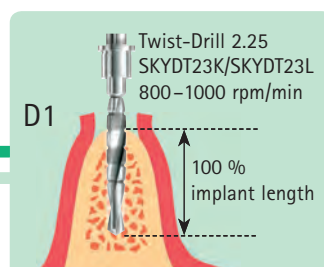
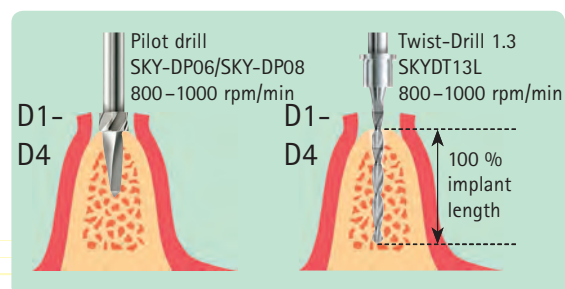
REF mSKYOT41

**mini<sup>1</sup>SKY**  
IMPLANT SYSTEM

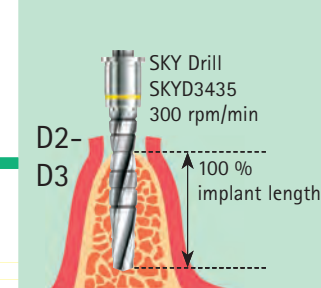
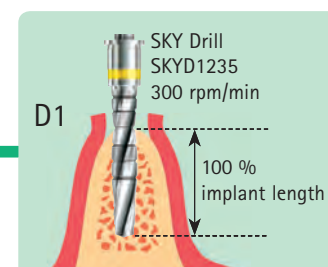
**mini<sup>2</sup>SKY** 2.8  
IMPLANT SYSTEM

**mini<sup>2</sup>SKY** 3.2  
IMPLANT SYSTEM

**miniSKY**  
IMPLANT SYSTEM



With bone quality D3-D4, the drilling process is completed using twist drill 1.3

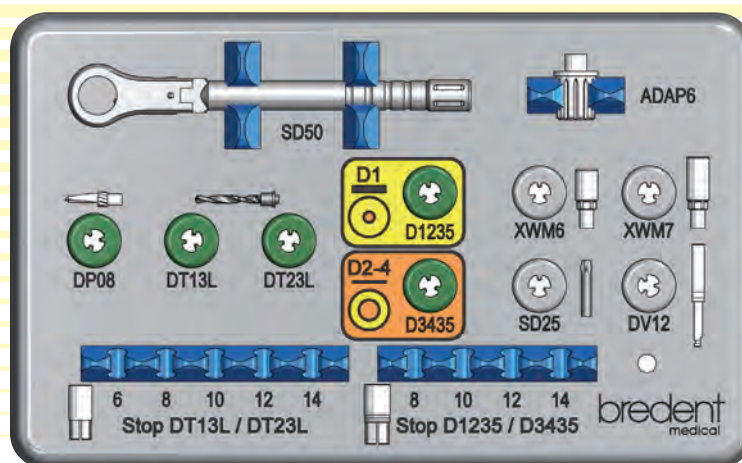


With bone quality D4, the drilling process is completed using twist drill 2.25



# Surgical and prosthetic instruments

## Drills, drill stops, and tools



### Drill stops

#### Twist-Drill



	L6	L8	L10	L12	L14
REF	SKYXST06	SKYXST08	SKYXST10	SKYXST12	SKYXST14

#### Drill

3,5  
4,0



REF	-	SKYS0840	SKYS1040	SKYS1240	SKYS1440
-----	---	----------	----------	----------	----------

Twist-Drill rpm/min. 800-1.000

Ø 1.3	lang	REF SKYDT13L
Ø 2.25	lang	REF SKYDT23L

Drill for hard bone rpm/min. 300

Ø 3.3	lang	REF SKYD1235
Ø 3.06	lang	REF SKYD3435

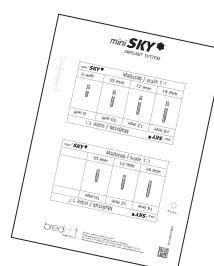
### SKY Drill extension

REF SKY-DV12
--------------

### SKY Prosthetic key long

REF SKY-SD25
--------------

### miniSKY X-ray-templates



REF mSKYMS01	M = 1:1
REF mSKYMS12	M = 1,12:1
REF mSKYMS26	M = 1,26:1

### miniSKY Mounter for contra-angle short

REF mSKYXWM6
--------------

### Adapter

REF SKYADAP6
--------------

### miniSKY insertion instrument, contra-angle long

REF mSKYXWM7
--------------

### Torque ratchet

Adjustable from 10 – 40 Ncm.  
Is directly attached onto the key.

REF SKY-SD50
--------------

Dimensions in mm

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...gapless...

REF OP0 201G B



...gapless... Version 2

REF OP0 202G B



...in the thick of it...

REF OP0 205G B



...in the thick of it... Version 2

REF OP0 204G B



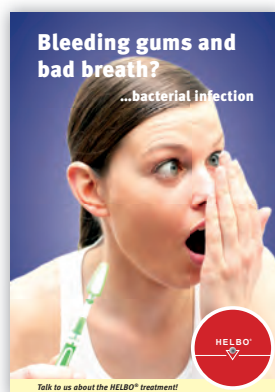
...tempting...?

REF OP0 203G B



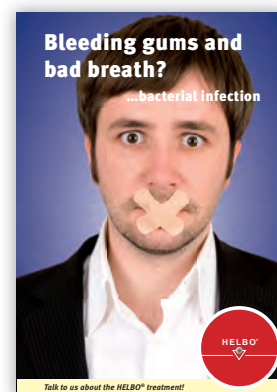
...tempting...? Version 2

REF OP0 200G B



...bacterial infection

REF OP0 210G B



...bacterial infection Version 2

REF OP0 220G B



# Presentation of the system

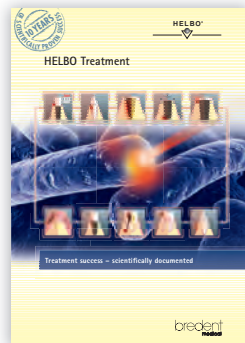
SKY Implant system – prosthetically unique



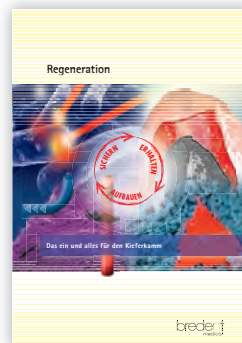
Other offers that may be of interest to you



REF 000 200 GB



REF 000 429 GB



REF 000 501 GB

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