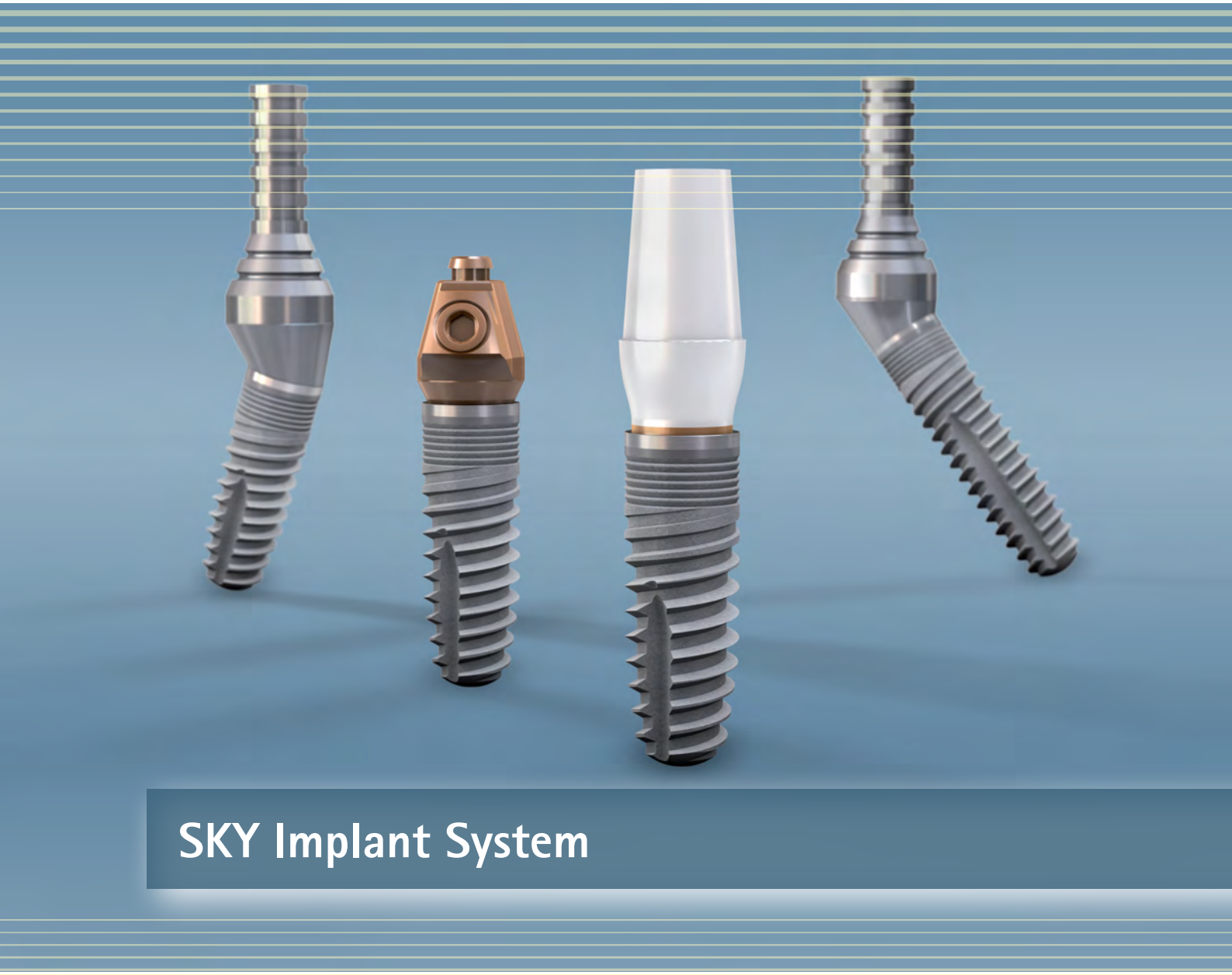
SKY
IMPLANT SYSTEM

Presentation of the system

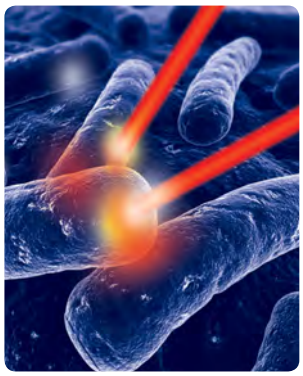


SKY Implant System

bredent
medical

we are One!

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

Immediate restoration 4-8

Presentation of the SKY System

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Presentation of the miniSKY system 57-68

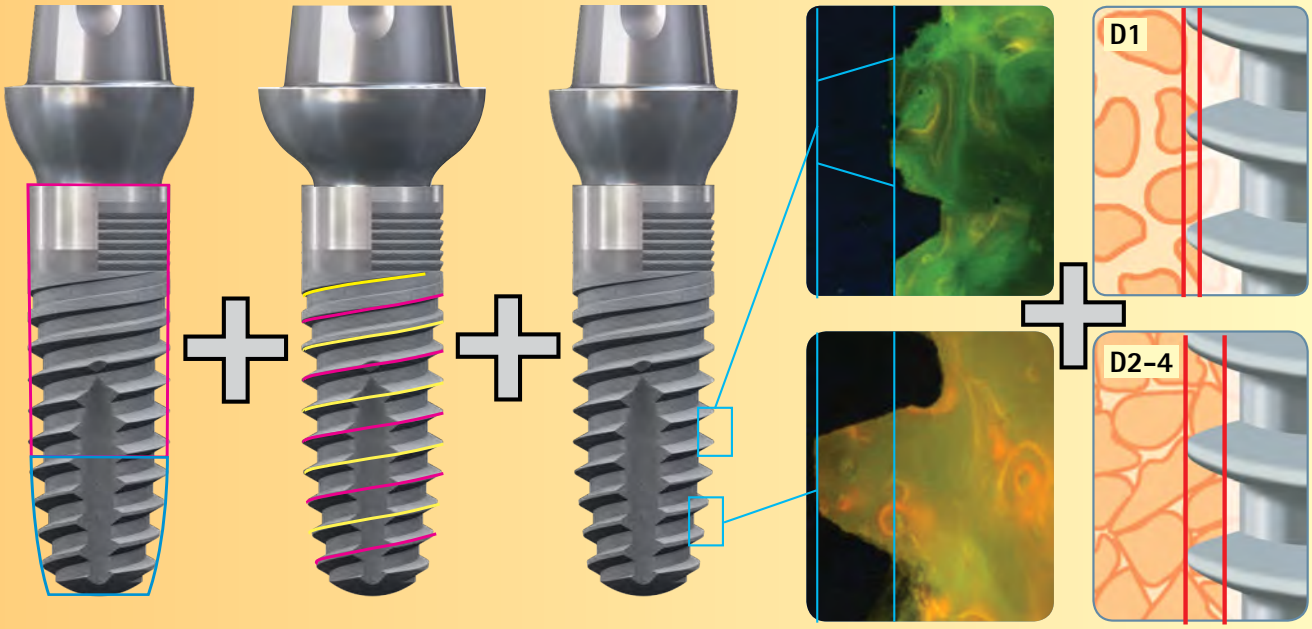
The diagrams are not all to scale.

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

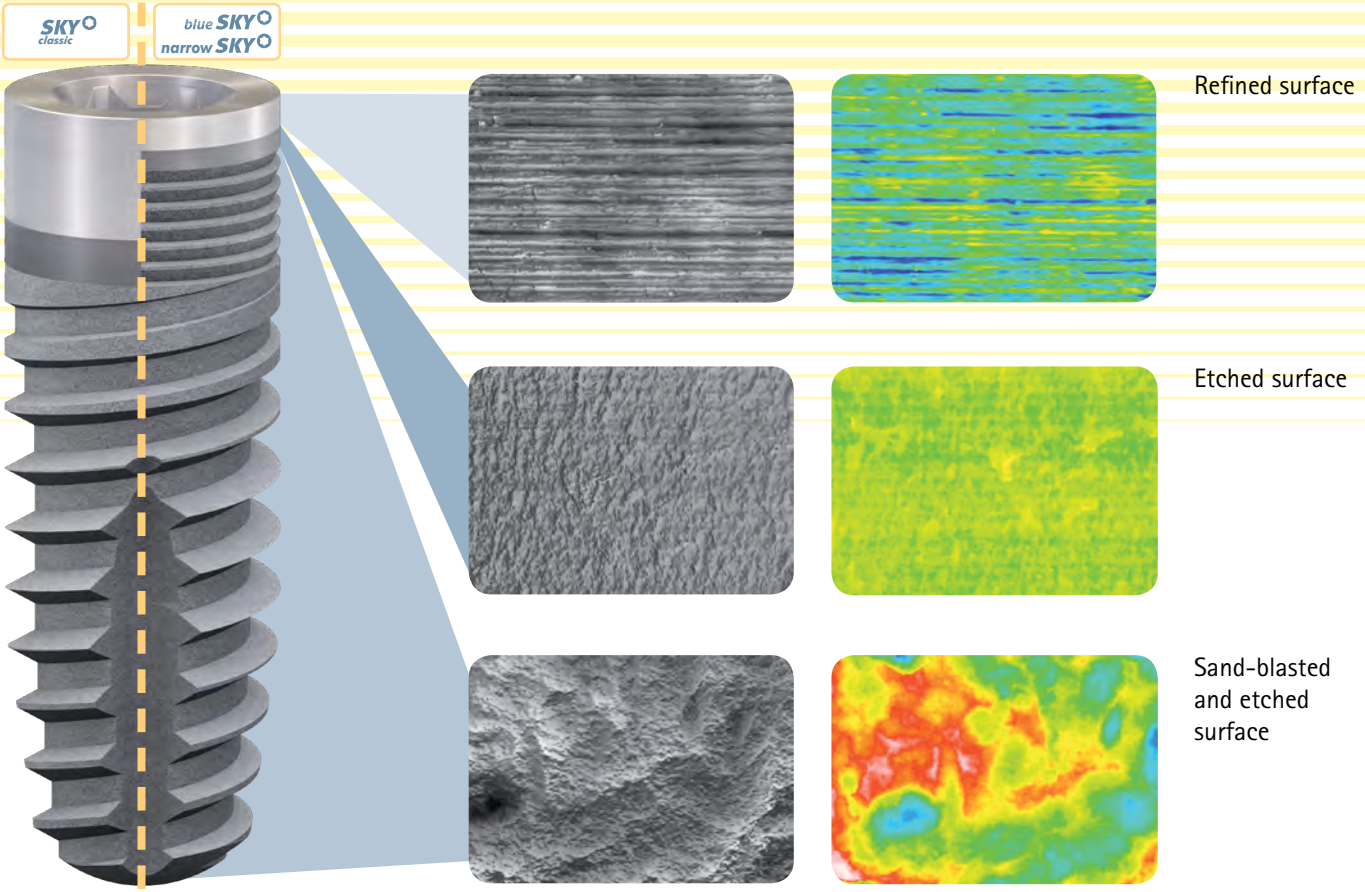
Self-cutting compression thread

- Bone-preserving

Surgical protocol tailored to bone quality

- Primary stability in every quality of bone

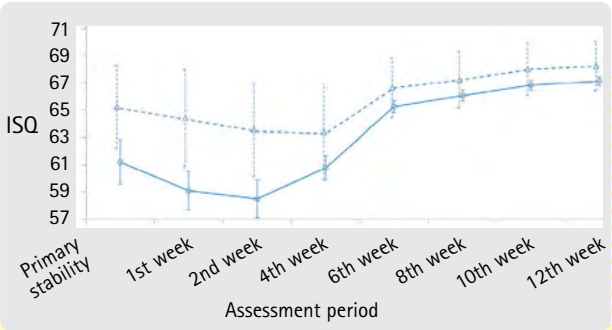
SKY Implant system – surface structure



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.

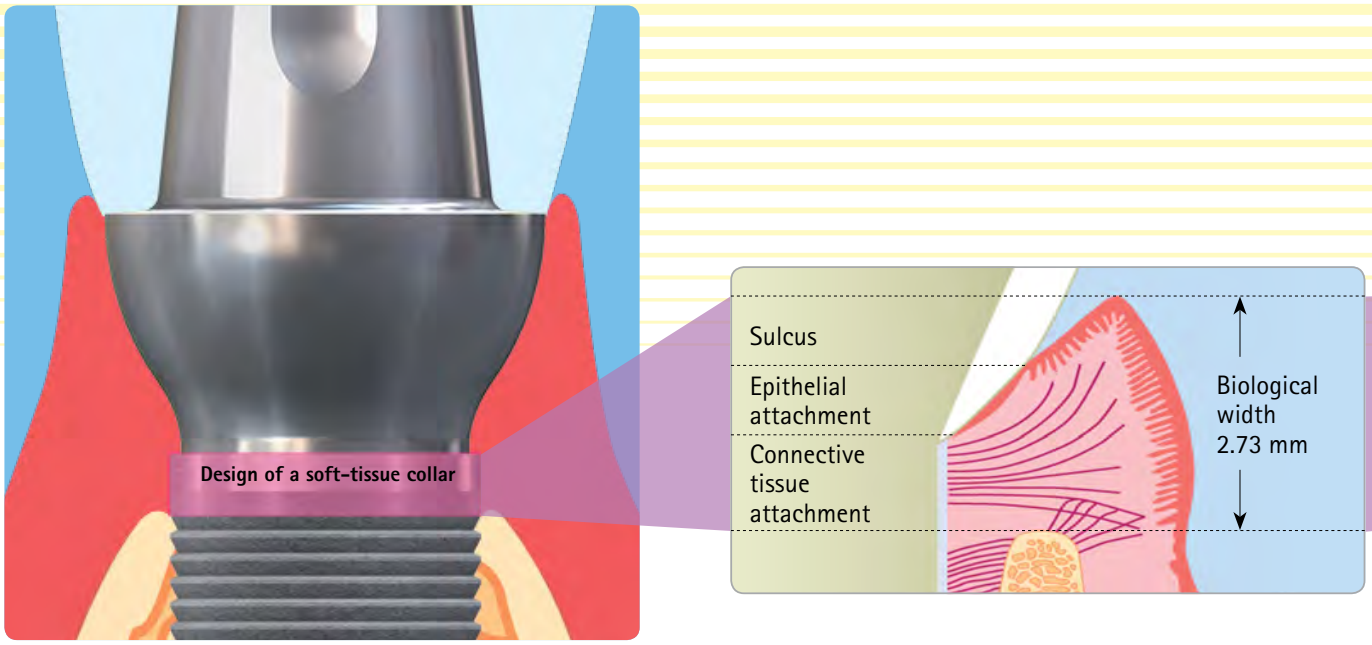
Drilling + self-cutting blueSKY implant
Drilling + non-self-cutting competitor implant

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

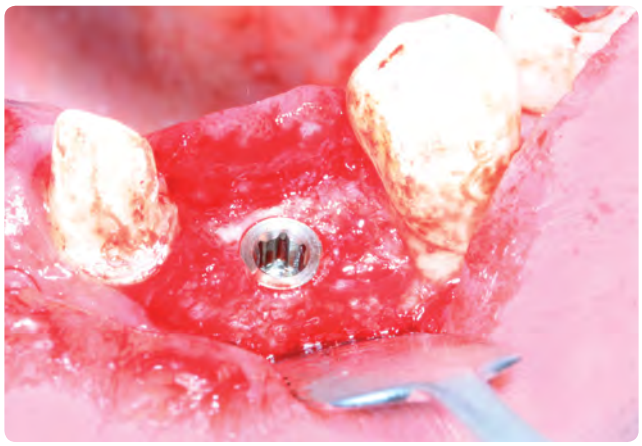
Immediate restoration

SKY Implant system – neck design

blue SKY Iso-crestal implant position



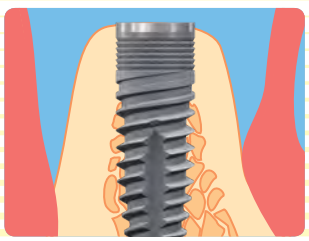
Indication



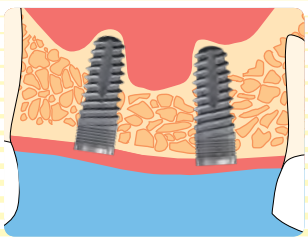
The coronally structured blueSKY implant is perfectly suited to being positioned flush with the bone.

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

The blueSKY implant therefore works very well with augmentations.



Implant position flush wisth the bone



Augmented implant site

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]

SKY classic Semi-transgingival implant position

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

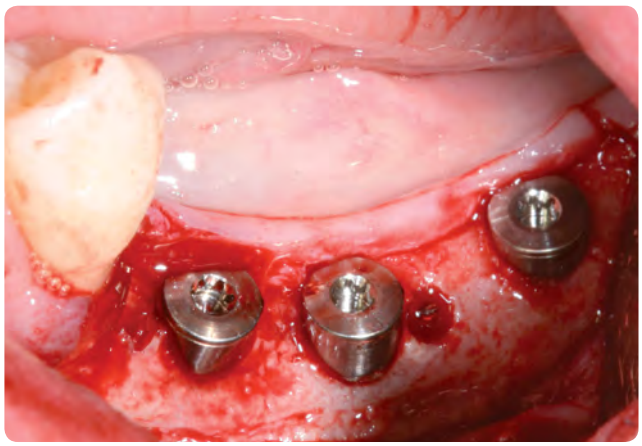
- horizontal micro-grooves, and
- an etched surface,

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.

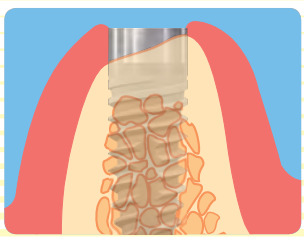
Indication



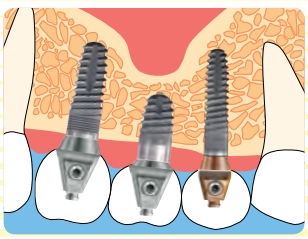
The SKY classic implant is ideal for preventing the bone from being ground off if the jaw ridge is narrow or irregular.

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:

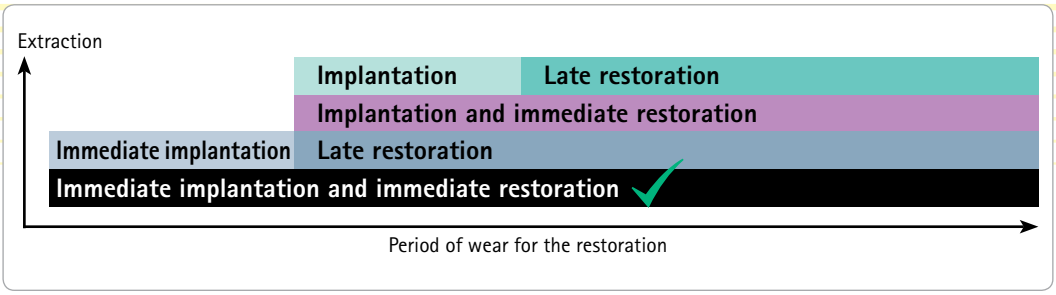
Zoran Vlahovic et al: Histopathological comparative analysis of peri-implant soft tissue response after dental implant placement with flap and flapless surgical technique. Experimental study in pigs; Clin Oral Implants Res. 2014 Jul 14. DOI: 10.1111/clr.12456. [Epub ahead of print]

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

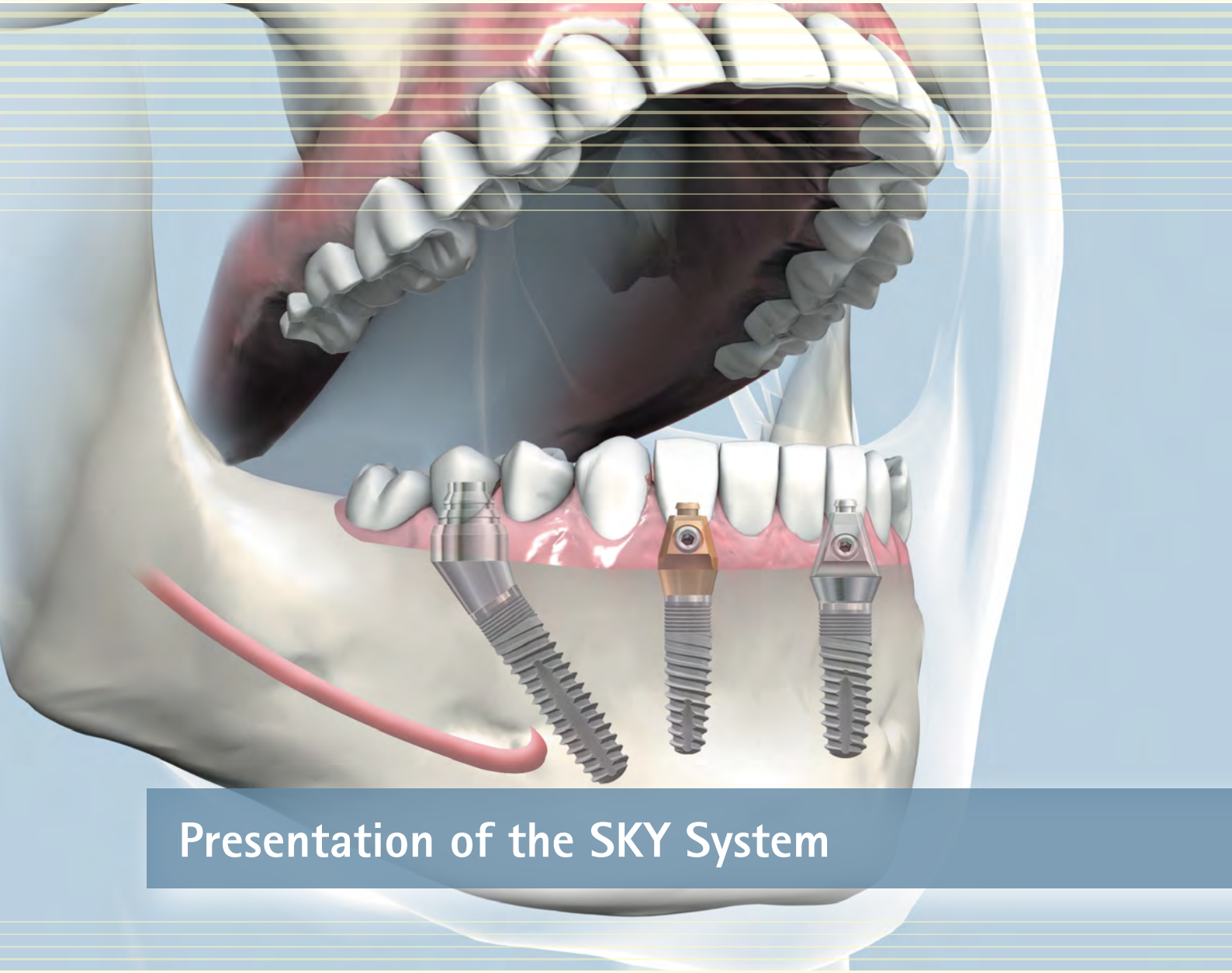
- Reduced number of implants
- No extensive surgical procedures such as augmentations
- Standardised work steps make the work easier
- Reduction and prevention of errors and complications
- In many cases, immediate fixed temporary bridges after only one session
- At an affordable price

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

SKY
IMPLANT SYSTEM



Presentation of the SKY System

bredent
medical

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.

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

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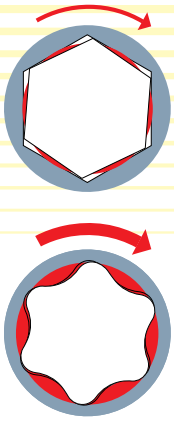
SKY Implant abutment connections

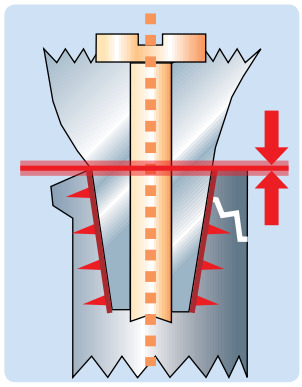
If screws and screw joints are involved. The Torx® is the gold standard in mechanical engineering and the automotive industry and in implant dentistry as well.

All SKY Implants have a Torx® connection.



Torx®: has six large force transfer surfaces

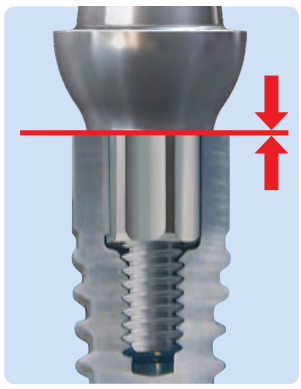
- significantly higher torques for the same force applied
- easier insertion of the implant
- no damage to the internal geometry at a high torque either



Conical connections

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

Conical connection
Flat connection

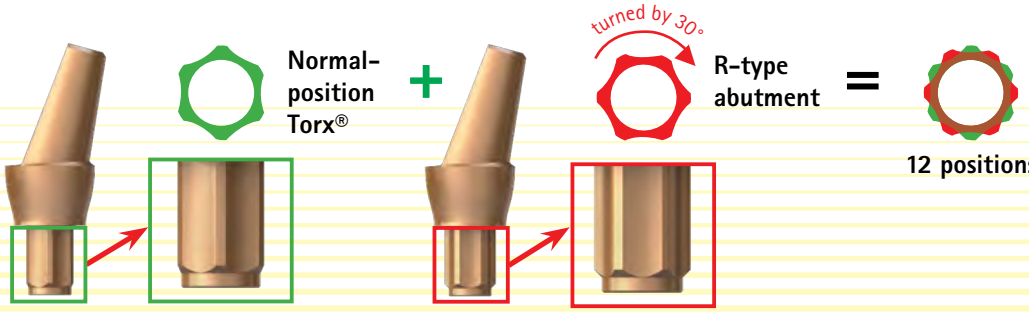


Flat connections (SKY System)

- **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

3.5 N

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

Cover screw for narrowSKY implants

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

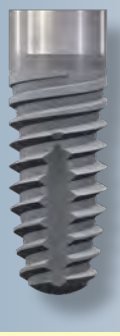
Length 8 mm	REF bSKY 4008
Length 10 mm	REF bSKY 4010
Length 12 mm	REF bSKY 4012
Length 14 mm	REF bSKY 4014
Length 16 mm	REF bSKY 4016

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

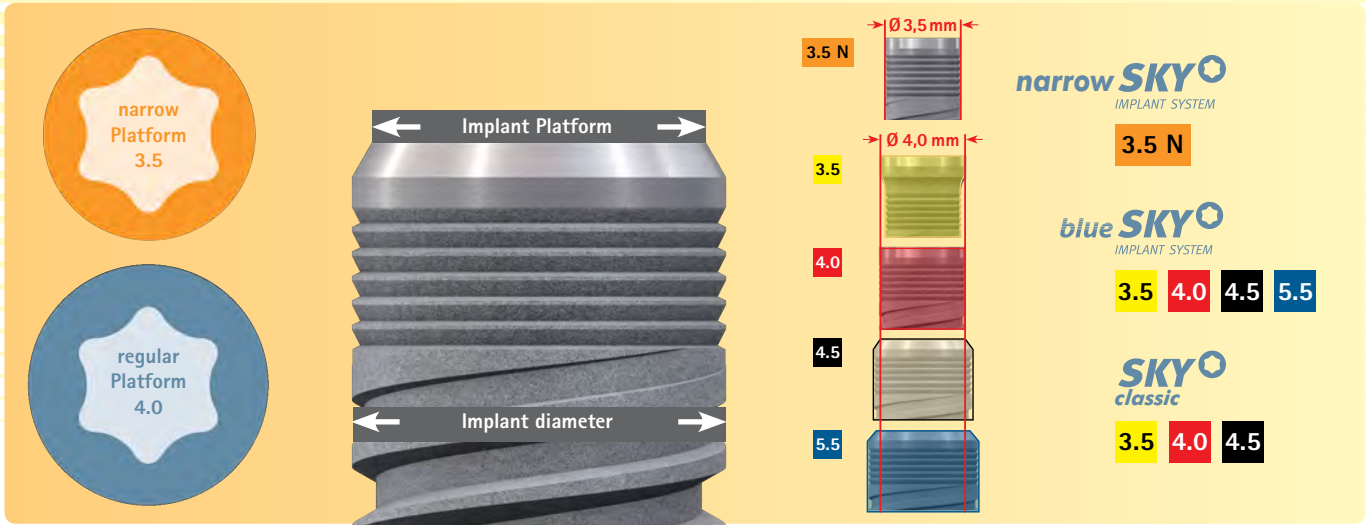


4.0

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



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

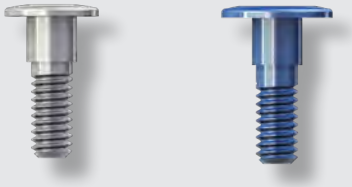
Length 8 mm	REF bSKY 5508
Length 10 mm	REF bSKY 5510
Length 12 mm	REF bSKY 5512

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

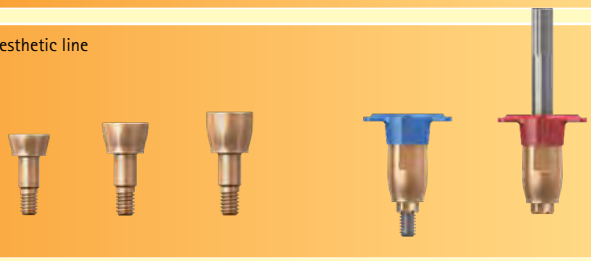
Abutment Platform

3.5

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

Laboratory implant

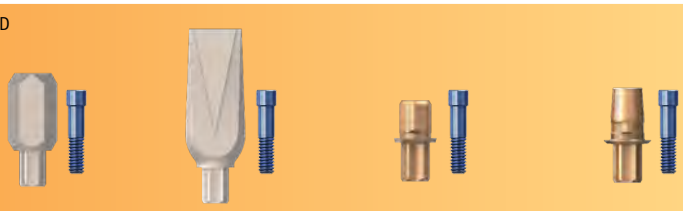
SKY esthetic line



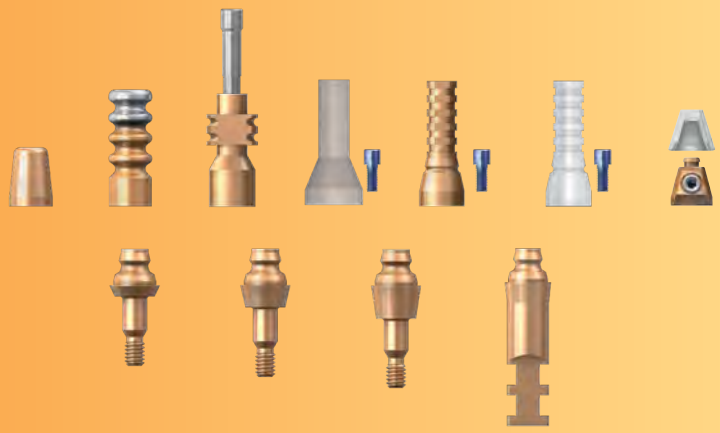
SKY esthetic line

BioHPP SKY elegance

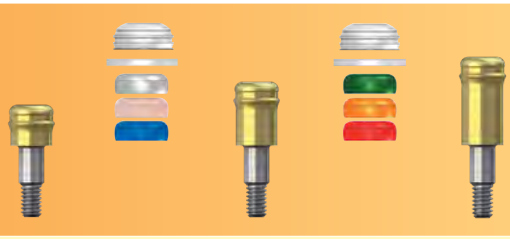
SKY uni.fit CAD



SKY uni.cone



SKY Locator®



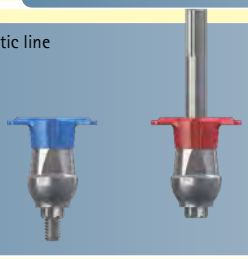
Abutment Platform

3.5

For blueSKY + SKY classic

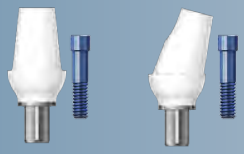
Not suitable for narrowSKY due to the

SKY esthetic line



SKY esthetic line

BioHPP SKY elegance



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Abutment Platform

with Platform switch

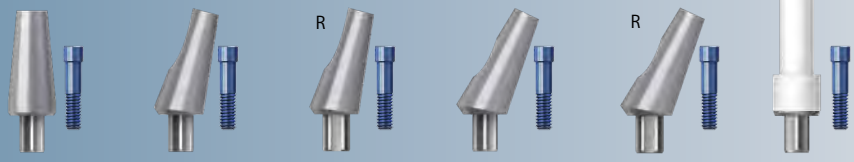
abutment shoulder

For blueSKY + SKY classic

Not suitable for narrowSKY due to the abutment Platform

SKY standard line

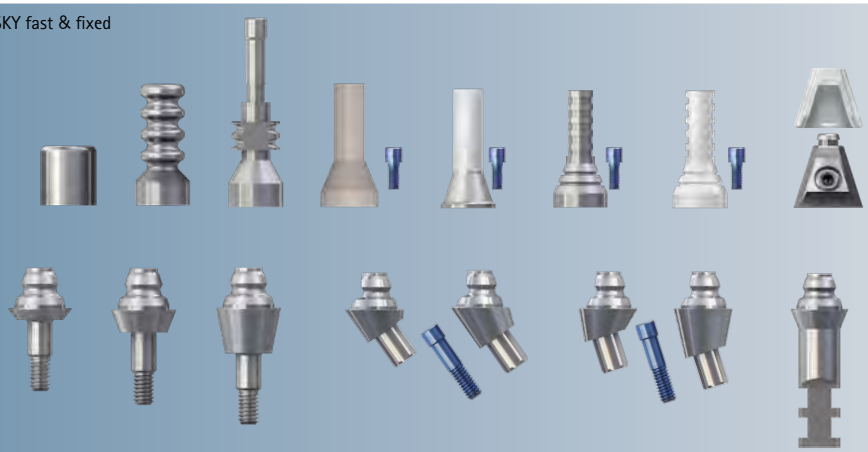
SKY standard line



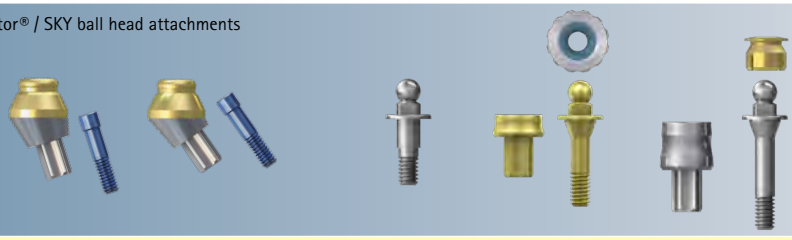
SKY esthetic line

SKY zirconium abutments

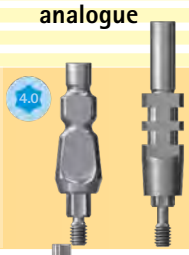
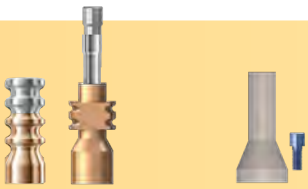
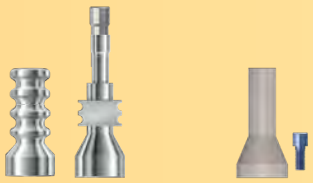
SKY fast & fixed



SKY Locator® / SKY ball head attachments

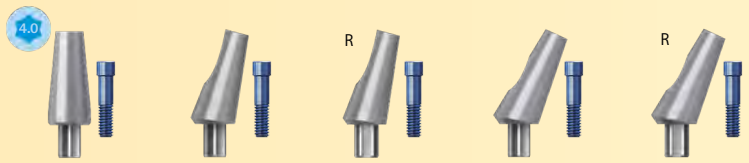


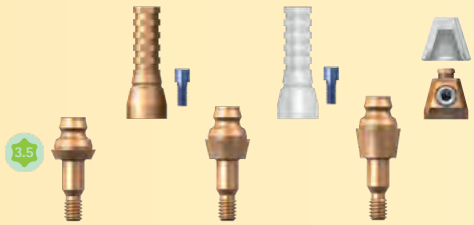
SKY prosthetic overview – sorted by product line

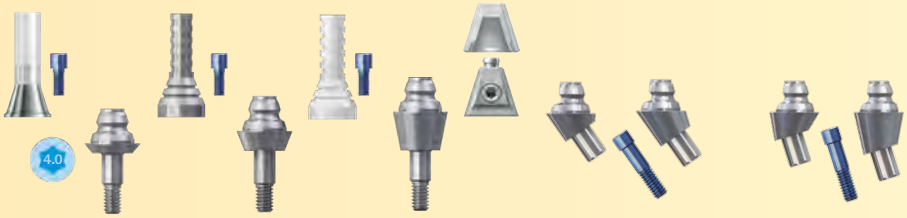
	Product line	Laboratory analogue	Gingiva former	Temporary prosthetic	Impression taking analogue	Impression taking digital
Prefabricated solutions	SKY standard line					
	SKY esthetic line					
	Custom solutions					
Bridges and bars	SKY uni.cone					
	SKY fast & fixed					
	Prosthesis fixation					

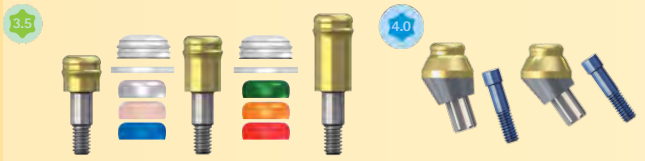
Abutments

Abutment Platform 3.5 4.0



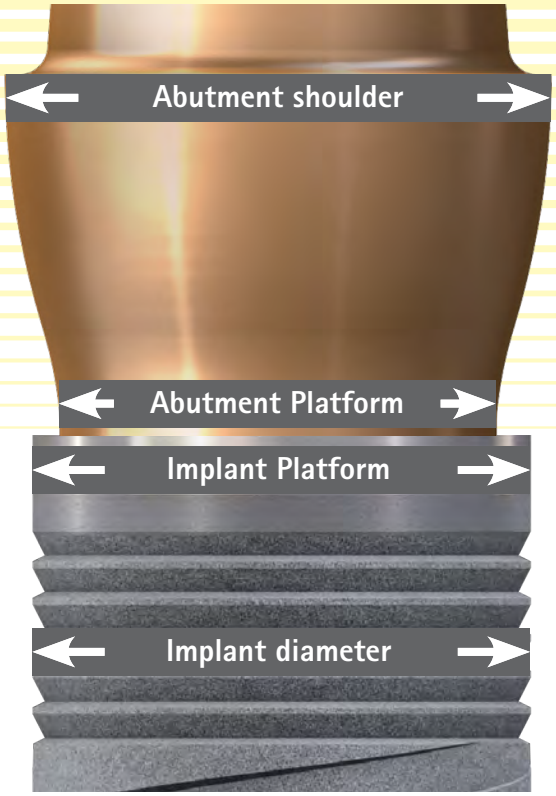






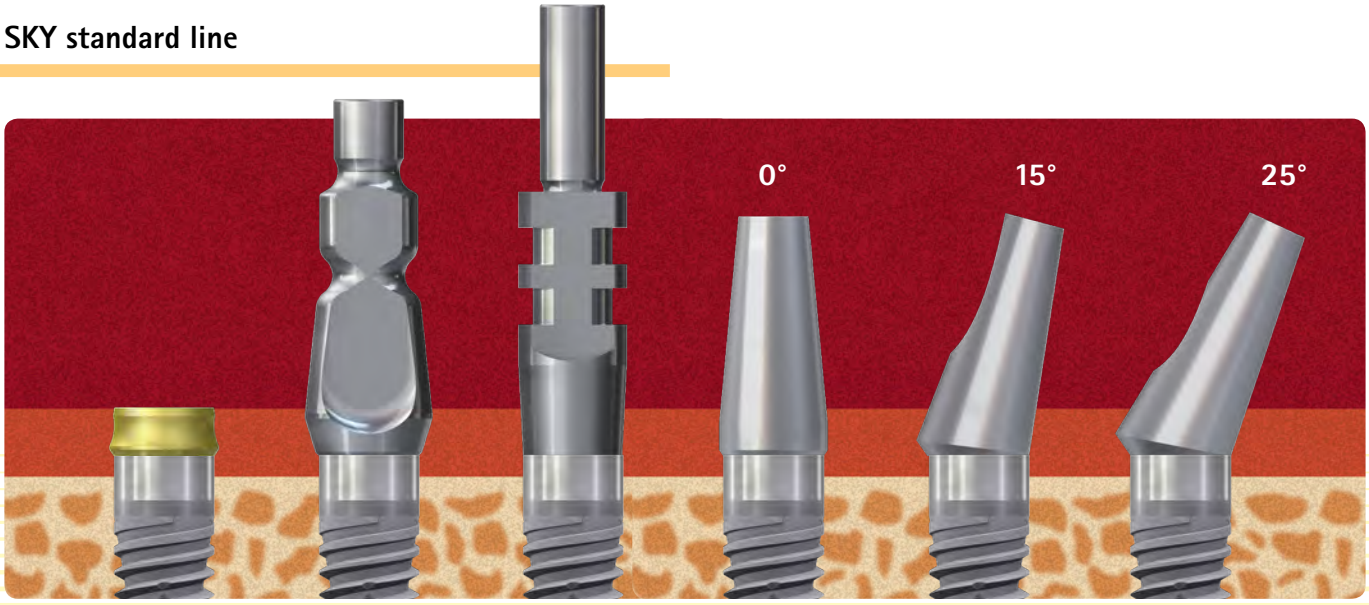
Overview of prefabricated structures

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

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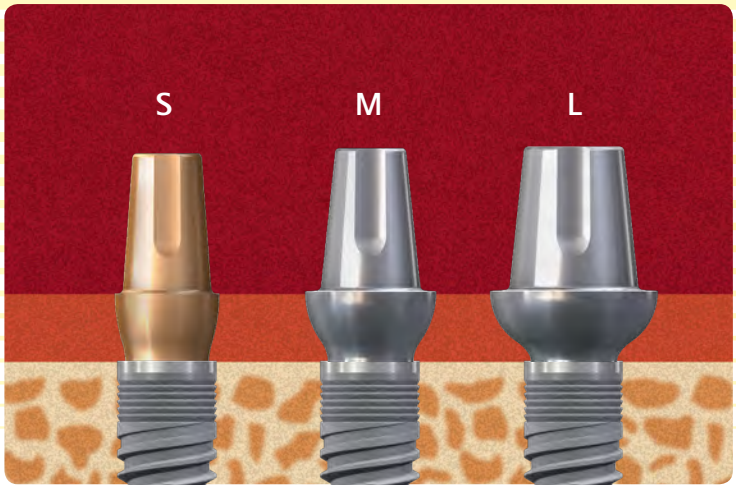
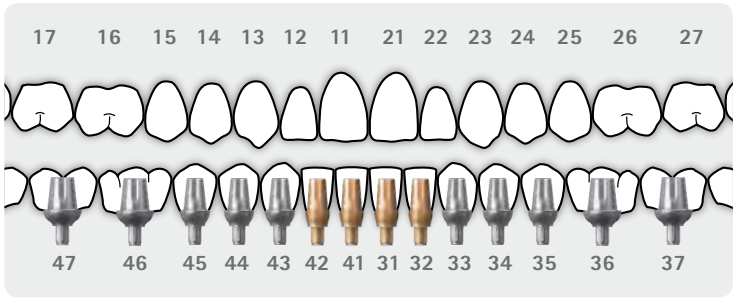
SKY esthetic line





SKY esthetic line:

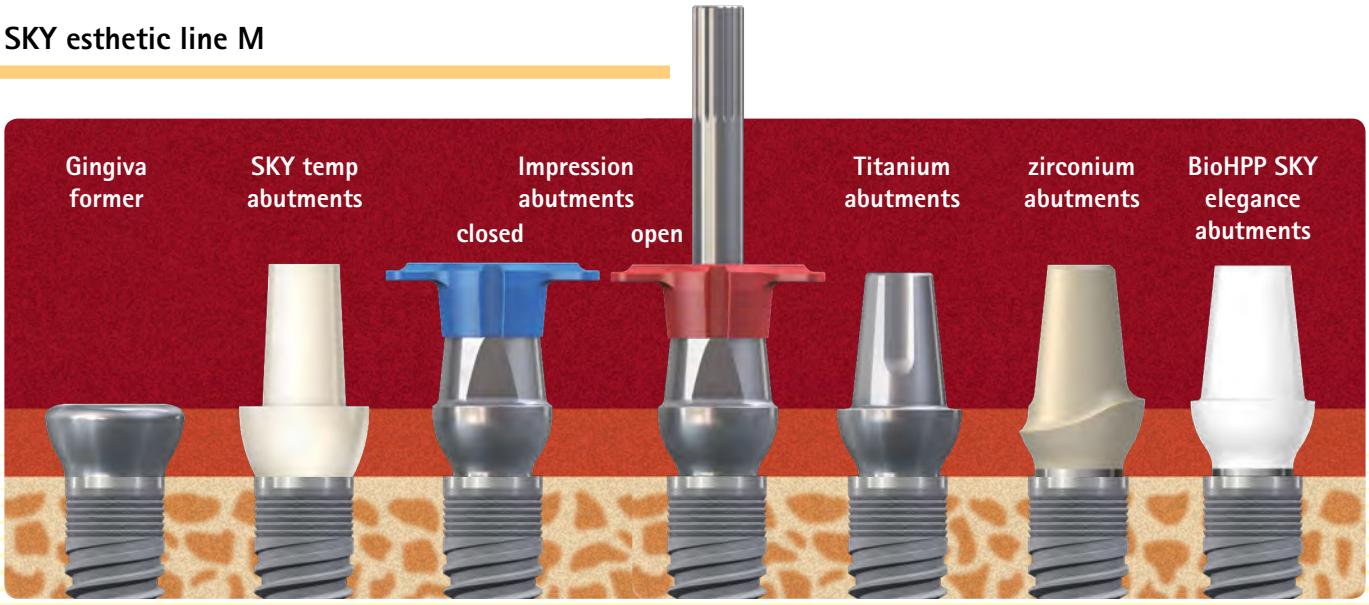
- Three diameters of the abutment shoulder:
  - S: 4.5 mm
  - M: 5.5 mm
  - L: 7.0 mm

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

SKY esthetic line M



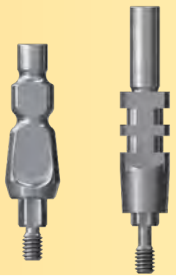
All components in the SKY esthetic line are matched to one another:
Corresponding concave and convex sulcus shape.
Also available for abutment shoulders with S and L diameters.

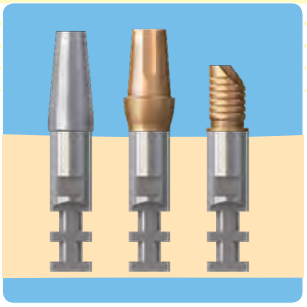
Impression and model fabrication

SKY implant analog – model fabrication

narrowSKY
blueSKY
SKY classic

blueSKY
SKY classic



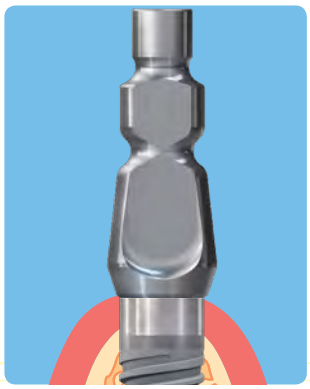


For ready-made and individual solutions
Implant analog

REF SKY-IA40

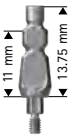
Just a single implant analog for all prosthetic restorations on implant level, independent of the implant platform.
The implant analog is made of titanium to enable both the laboratory and the clinic/surgeon to use the same material.

SKY impression abutments – impression



Impression abutment for open impression incl. screw

REF SKY-PA10



Impression abutment for open impression incl. screw

REF SKY-PA20

Screw - impression abutment open tray, short
6 pieces

REF SKY-PS18

Material: Titanium
Torque: 10 Ncm

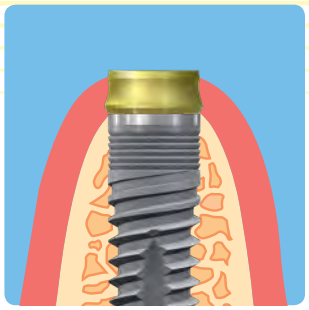
The impression abutment for the closed impressions with prefabricated trays simplifies the repositioning thanks to:
- distinctive flat sides
- deep horizontal groove
- deep vertical groove

The impression abutment for open impressions with individual trays excels by:
- distinctive retentions
- short Torx® for divergent implants

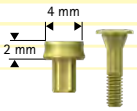
SKY gingiva former

SKY standard line

4.0 **blueSKY**
SKY classic



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

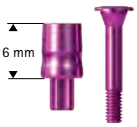


SKY gingiva former height 2 mm
incl. screw

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

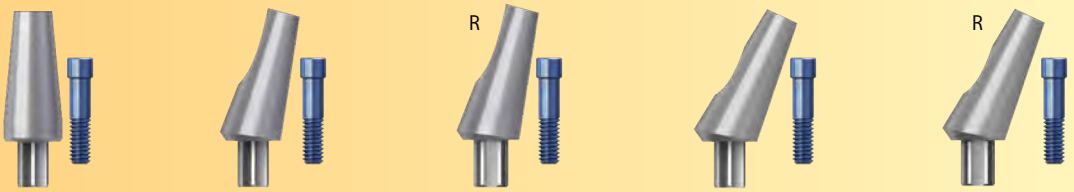
Material: Titanium
Torque: 10 Ncm

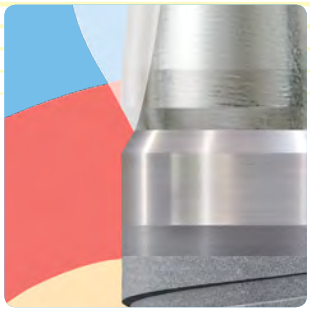
Prefabricated solutions

SKY Titanium abutments

SKY standard line

blueSKY
SKY classic

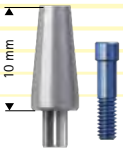




Wide-based SKY Titanium abutments are ideal for supra-crest implants, as they form a relatively wide crown base at the gingival emergence. With the three available angulations

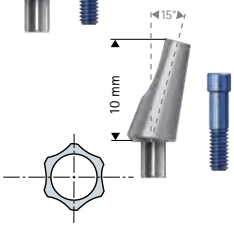
- 0°
- 15°
- 25°

all relevant clinical indications 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.



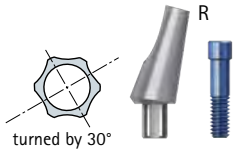
Abutment 0° incl. screw 2.2

REF SKY-PO00



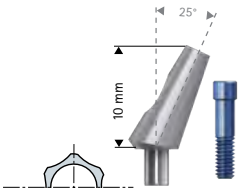
Abutment 15° incl. screw 2.2

REF SKY-PO15



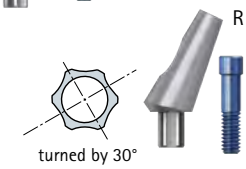
Abutment 15° R
incl. screw 2.2

REF SKY-PO16



Abutment 25° incl. screw 2.2

REF SKY-PO25



Abutment 25° R
incl. screw 2.2

REF SKY-PO26

Material: Titanium
Torque: 25 Ncm

SKY abutment selection set

With the help of the SKY abutment selection set, the appropriate abutments with the correct orientation can be selected simply and quickly in the laboratory.

SKY abutment selection set

REF SKYASET9

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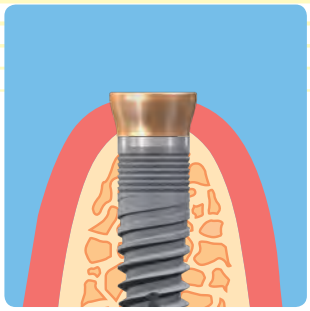
SKY esthetic gingiva former

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

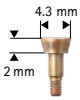
REF SKYEMG02

SKY esthetic gingiva former M
size M, height 3 mm

REF SKYEMG03

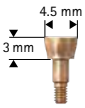
SKY esthetic gingiva former M
size M, height 4 mm

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

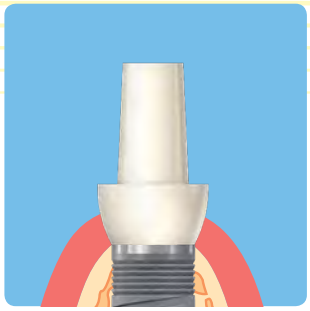
REF SKYELG04

Material: Titanium
Torque: 10 Ncm

SKY temp

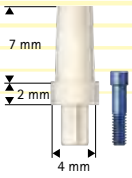
SKY esthetic line

4.0 **blueSKY**
SKY classic



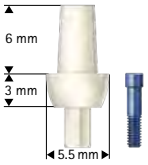
A temporary crown or small bridge can be easily and quickly produced on the SKY temp abutment made of POM (polyoxymethylene), in order to exploit the advantages of immediate restoration for forming the gingiva.

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.



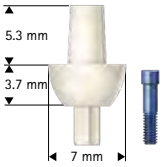
SKY temp S
incl. screw 2.2

REF SKYTEMPS



SKY temp M
incl. screw 2.2

REF SKYTEMPM



SKY temp L
incl. screw 2.2

REF SKYTEMPL

Material: POM
Torque: 18 Ncm

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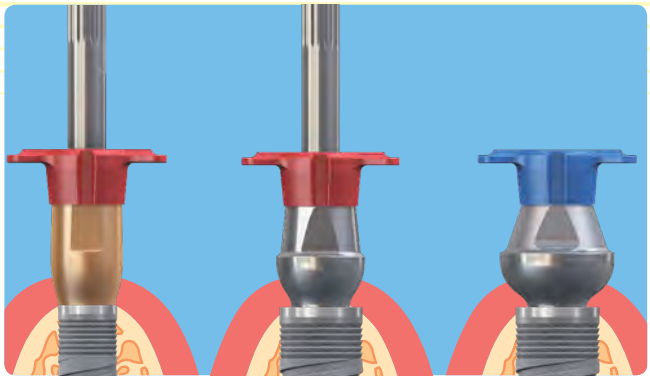
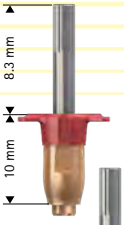
SKY esthetic impression abutments



For the impression of SKY esthetic abutments, appropriate impression abutments for open and closed trays are available for each diameter. The impression abutments feature the following characteristics:

- The sulcus shape of the impression abutment is based on the SKY esthetic Line
- The abutment has coronal retentions; suitable impression copings can snap in these retentions.
- The copings can be aligned in 6 positions so that impressions can also be taken in small gaps without any problem
- The impression abutments are available in the diameters M and L, for open and for closed trays
- The screws are retained safely in the impression abutments so that they cannot fall out during the application



SKY esthetic impression abutment S (narrowSKY), open trays, with trapped screw, 24 mm long

REF SKYESPA1

SKY esthetic impression abutment M open tray, with integrated screw, 24 mm long

REF SKYEMPA1

SKY esthetic impression abutment L open tray, with integrated screw, 24 mm long

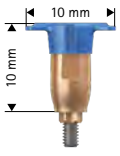
REF SKYELPA1

SKY esthetic impression
open trays, screw 18 mm short
6 pieces

REF SKYAPS18

SKY esthetic impression coping
open tray
10 pieces

REF SKYEAK11



SKY esthetic impression abutment S (narrowSKY) closed trays, with integrated screw

REF SKYESPA2

SKY esthetic impression abutment M closed tray, with integrated screw

REF SKYEMPA2

SKY esthetic impression abutment L closed tray, with integrated screw

REF SKYELPA2

SKY esthetic impression coping
closed tray, 10 pieces

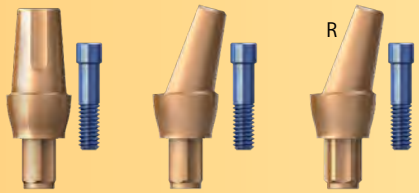
REF SKYEAK22

Material: Titanium
Torque: 10 Ncm

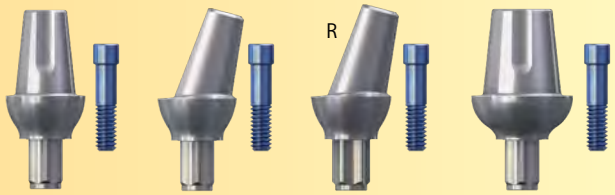
SKY esthetic abutments

SKY esthetic line

3.5 **narrowSKY**
blueSKY
SKY classic



3.5 **blueSKY**
SKY classic



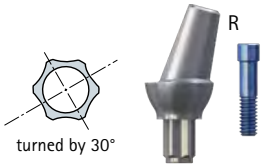
The concave and convex shape of the SKY esthetic abutments allows the dental technician to customise them to a large extent, and gives the gingiva a lot of space for attachment. This attachment is further enhanced by additional surface refinement.

SKY esthetic abutment M 0°
incl. screw 2.2

REF SKY-EM00

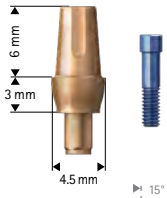
SKY esthetic abutment M 15°
incl. screw 2.2

REF SKY-EM15



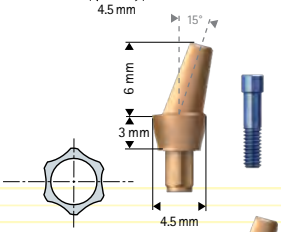
SKY esthetic abutment M 15° R
incl. screw 2.2

REF SKY-EM16



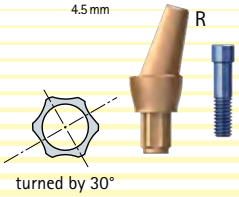
SKY esthetic abutment S 0°
incl. screw 2.2

REF SKYnES00



SKY esthetic abutment S 15°
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

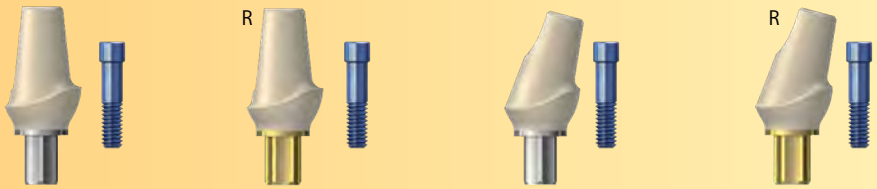
REF SKY-EL00

Material: Titanium
Torque: 25 Ncm

SKY zirconium abutments

SKY esthetic line

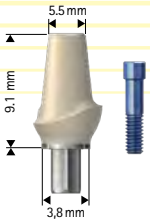
4.0 **blueSKY**
SKY classic



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

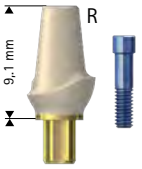
Important:
The SKY zirconium abutments must not be subjected to grinding, as the minimum wall thickness is required in order to guarantee long-lasting stability.

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.



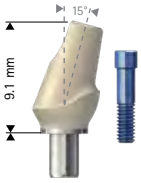
SKY zirconium abutment 0°
incl. screw 2.2

REF SKYZA000



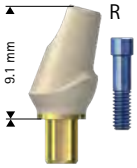
SKY zirconium abutment 0° R
incl. screw 2.2

REF SKYZA00R



SKY zirconium abutment 15°
incl. screw 2.2

REF SKYZA150



SKY zirconium abutment 15° R
incl. screw 2.2

REF SKYZA15R

Material: Titanium + ZiO2
Torque: 25 Ncm

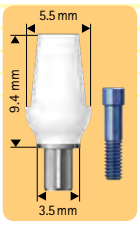
BioHPP SKY elegance abutments

SKY esthetic line

3.5 **narrowSKY**
blueSKY
SKY classic

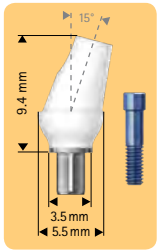
3.5 **blueSKY**
SKY classic

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.



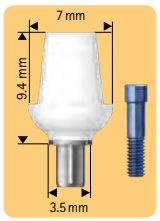
BioHPP SKY elegance abutment
M 0°
incl. screw 2.2

REF SKYEEM00



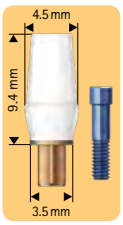
BioHPP SKY elegance abutment
M 15°
incl. screw 2.2

REF SKYEEM15



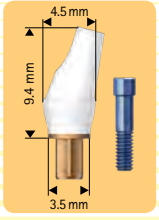
BioHPP SKY elegance abutment
L 0°
incl. screw 2.2

REF SKYEEL00



BioHPP SKY elegance abutment
S 0°
incl. screw 2.2

REF SKYEES00



BioHPP SKY elegance abutment
S 15°
incl. screw 2.2

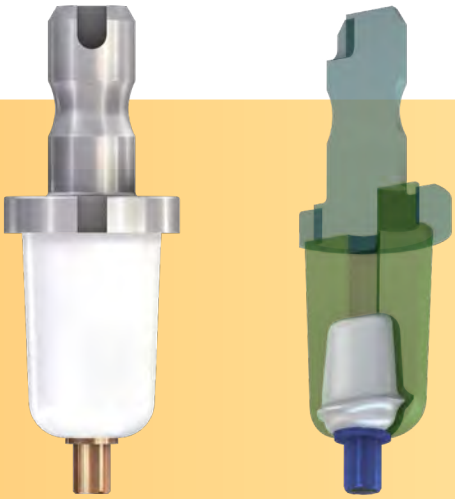
REF SKYEES15

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

BioHPP SKY elegance titanium base

3.5

narrowSKY
blueSKY
SKY classic

Conventional production

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 *for*2press 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

Image on a very small scale

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

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

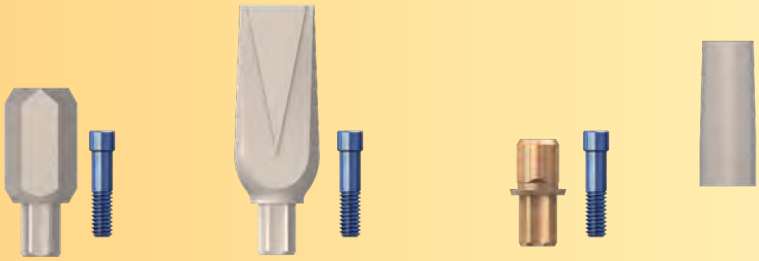
REF SKYEPF09

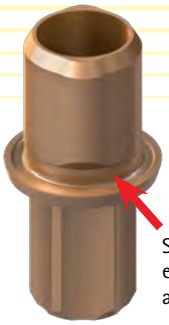
BioHPP SKY elegance prefab
incl. screw 2.2
12 pieces

REF SKYEPF12

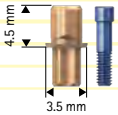
SKY uni.fit

narrowSKY
blueSKY
SKY classic





Space for exess adhesive



SKY uni.fit
CAD abutment

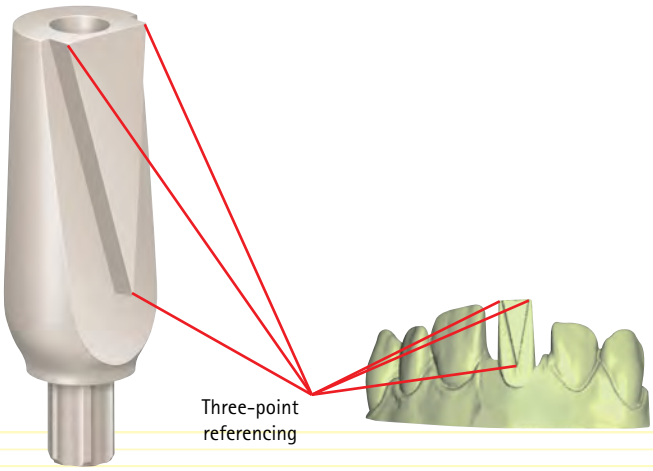
REF SKYUFCAD

Material: Titanium
Torque: 25 Ncm

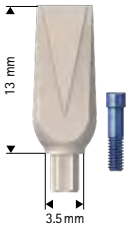
Modelling cap
10 pieces

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.



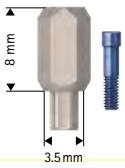
Three-point referencing



SKY uni.fit
Scan-Abutment
extraoral

REF SKYUSCAE

Material: PEEK
Torque: 10 Ncm



SKY uni.fit Scan-Abutment
intraoral
1 piece

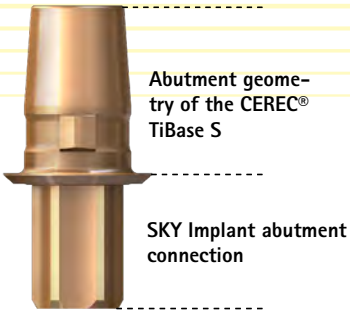
REF SKYUSCAI

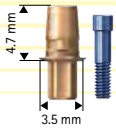
Scan abutments
The position and orientation of the implant is transferred to the virtual model using a three-point reference system.

SKY uni.fit titanium base for CEREC®

3.5

narrowSKY
blueSKY
SKY classic





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.

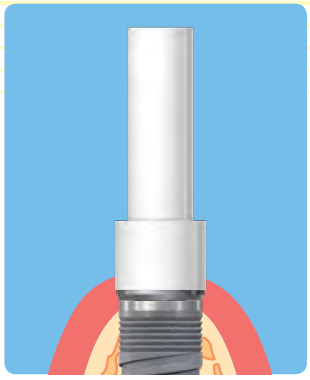
Can be ordered from Sirona®

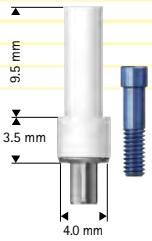
Scan bodies for Bluecam® S
36 pieces
REF 6431295

Scan bodies for Omnicam® S
36 pieces
REF 6431311

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

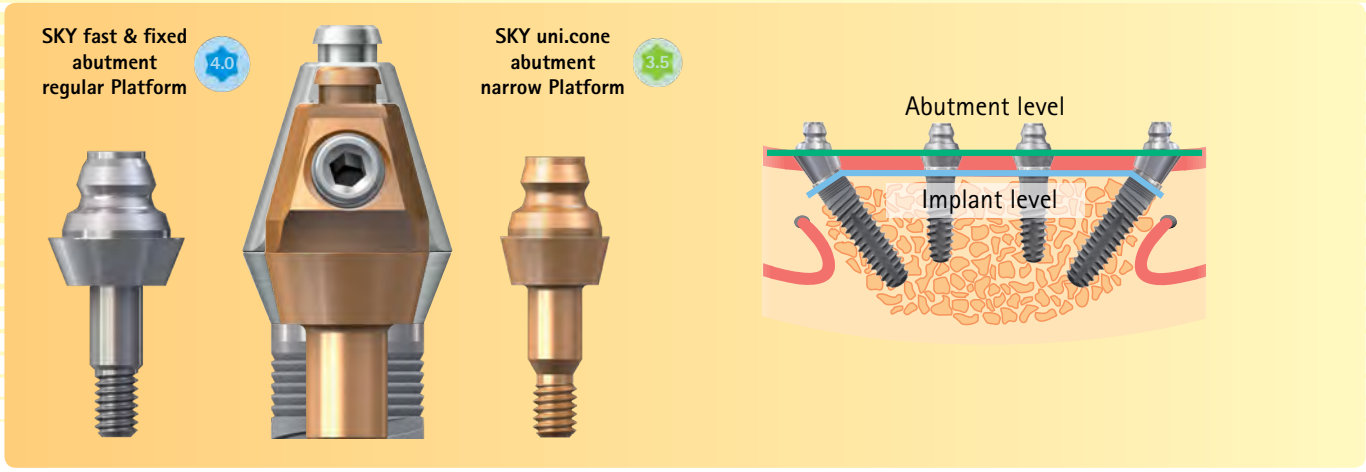
REF SKY-PS22

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

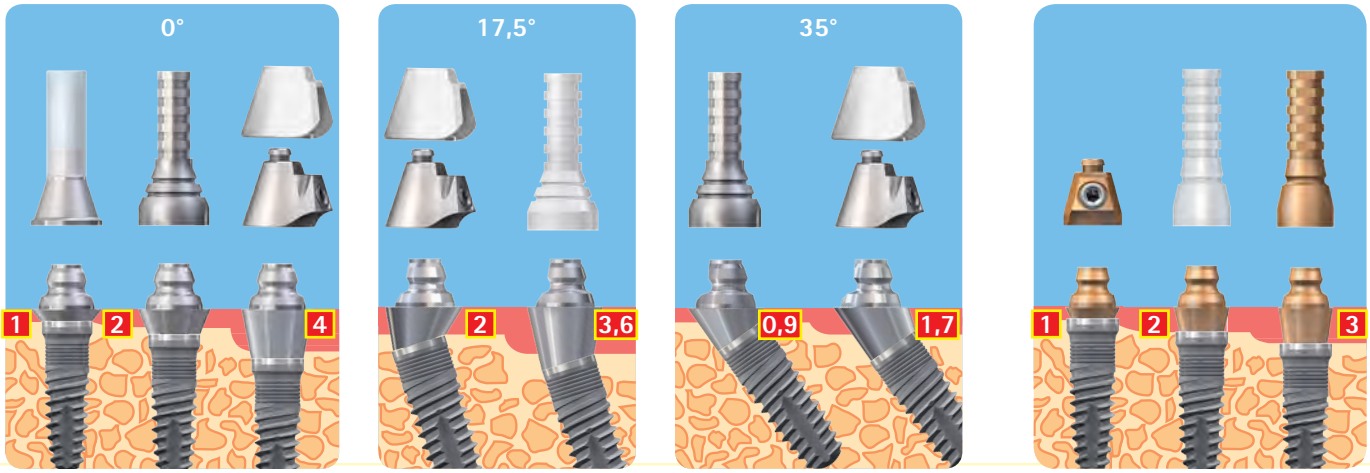
This is held securely by screwing the sleeve onto the metal base, so as to facilitate quick and reliable modelling of the custom abutment. The burn-out plastic sleeve is provided already mounted.

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

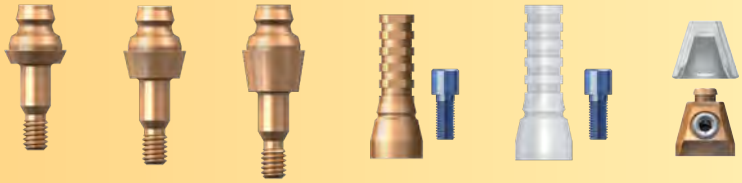
Gingiva height in mm

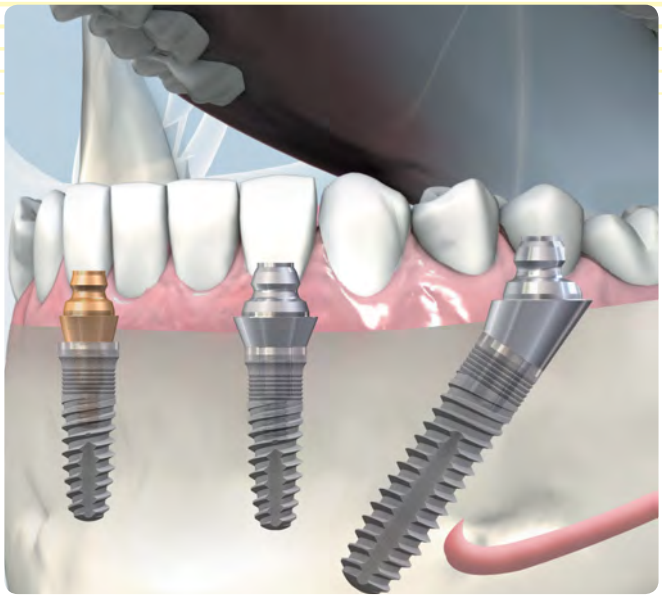
SKY uni.cone abutments with narrow Platform for
- narrowSKY
- blueSKY
- SKY classic

Abutment system

SKY uni.cone

narrowSKY
blueSKY
SKY classic





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
tansversal screw
6 pieces

REF SKYUFTS9

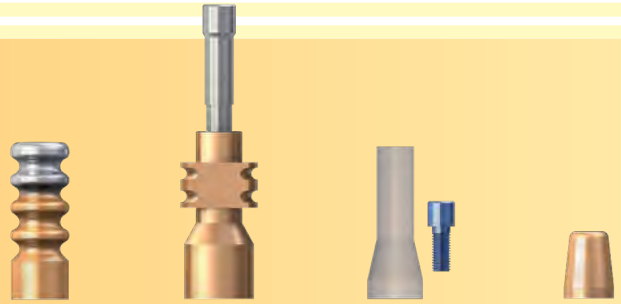
In addition to the SKY fast & fixed abutment system, we now also offer the SKY uni.cone abutment system with a reduced diameter of 4.5 mm, meaning that high-quality aesthetic restorations, which can be screwed either occlusally or transversely, can be carried out quickly and simply even in atrophied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

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

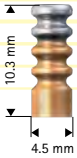
A typical application for SKY uni.cone is the combination with SKY fast & fixed in the lower jaw. Implants placed at an angle are attached to the normal SKY fast & fixed abutments and the SKY uni.cone abutments are placed on the straight abutments in the corresponding height.

Abutment system

3.5 **narrowSKY**
blueSKY
SKY classic

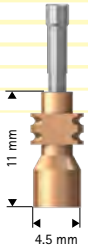


SKY uni.cone



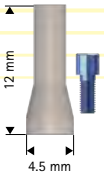
SKY uni.cone impression coping
Closed tray
with integrated screw

REF SKYUCAGL



SKY uni.cone
Impression coping
open tray

REF SKYUCAOL



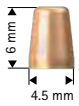
SKY uni.cone
scan cap
intraoral (extraoral)
incl. screw 2.2 1.4

REF SKYUSCIE

Material: PEEK
Torque: 10 Ncm

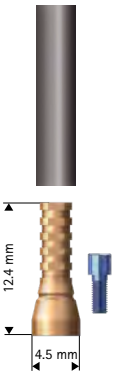
SKY uni.cone
laboratory analog

REF SKYUCTLA



SKY uni.cone
Gingiva former

REF SKYUCGF2



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

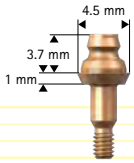
REF SKYUCPKT

SKY uni.cone
Prosthetic coping, resin
1 piece each

REF SKYUCPKK

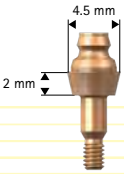
SKY uni.cone
Prosthetic coping
transversal screw-retained

REF SKYUCPKS



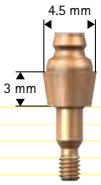
SKY uni.cone
Abutment 0°
height 1 mm

REF SKYUC001



SKY uni.cone
Abutment 0°
height 2 mm

REF SKYUC002



SKY uni.cone
Abutment 0°
height 3 mm

REF SKYUC003

narrowSKY

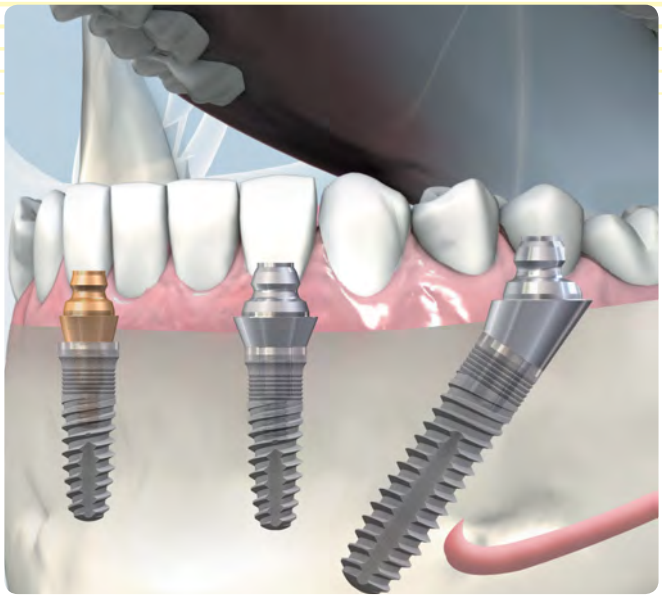
blueSKY

SKY classic

Abutment system

SKY fast & fixed

blueSKY
SKY classic



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.

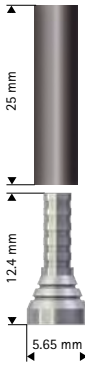
Suitable surgical and prosthetic tools are found on page 50/51.

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

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

REF SKYFT001

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

REF SKYFT002

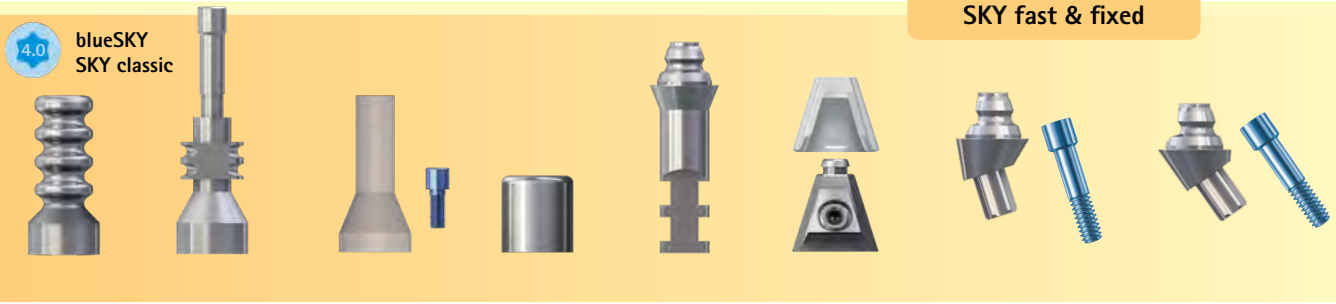
SKY fast & fixed Abutment 0°
height 4 mm
with integrated screw

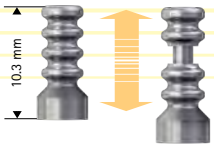
REF SKYFT004

blueSKY

Abutment system

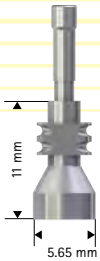
SKY fast & fixed





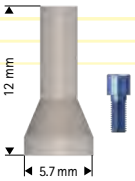
SKY fast & fixed impression coping
Closed tray
with integrated screw

REF SKYFF0AK



SKY fast & fixed Impression coping
open tray
with captive screw

REF SKYFFA0L

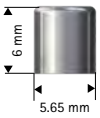


SKY fast & fixed scan coping
intraoral/extraoral
incl. screw 1,4

REF SKYFSCIE

SKY fast & fixed
laboratory analog

REF SKYFFTLA

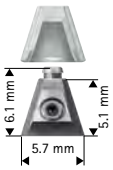


SKY fast & fixed
Gingiva former

REF SKYFFGF2

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

REF SKYFFPKH



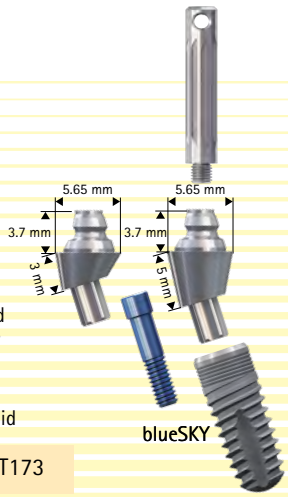
SKY fast & fixed
Prosthetic coping
transversal screw-retained
Plastic modelling aid cap

REF SKYFTPKS

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

REF SKYUFTS9

Technical data:
Melting interval 1770 - 1800 °C
WAK (thermal expansion coefficient) 9 $10^{-6}K^{-1}$
Material: Pt 90 % / Ir 10 %
Weight: 0,59 g

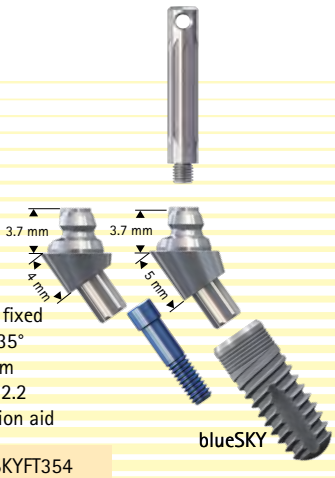


SKY fast & fixed
Abutment 17,5°
height 3 mm
incl. screw 2.2
with insertion aid

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

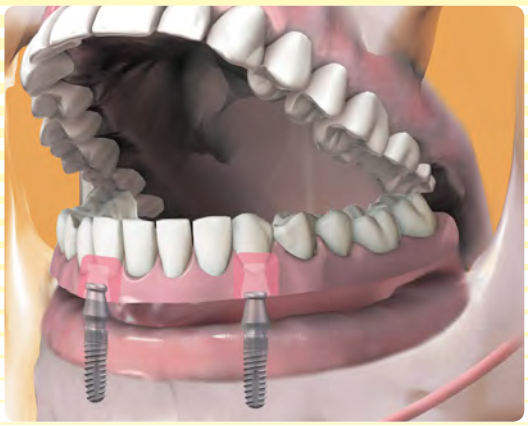
REF SKYFT354

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

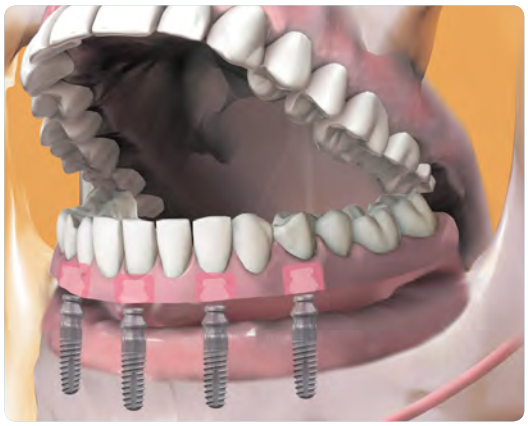
REF SKYFT355

Partially removable restorations

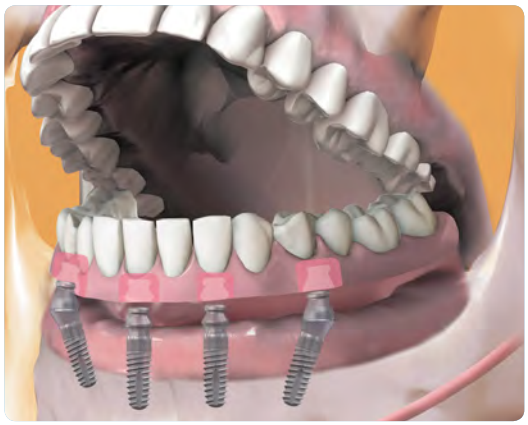
retention.sil & SKY TiSi.snap – Application



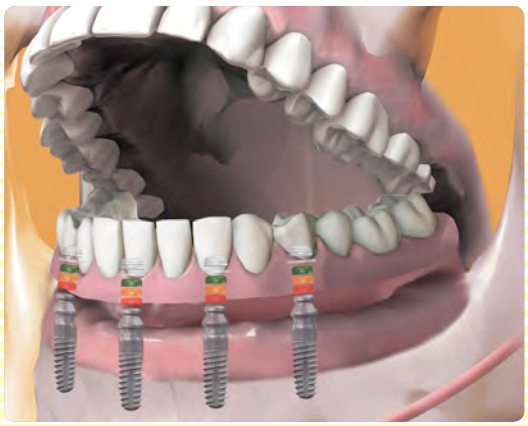
The high guide cone of the SKY TiSi.snap abutments allows safe and reliable fixation of dentures with only two implants. As a result, perfect control of the denture during removal and integration is ensured and tilting is avoided to obtain increased stability of the entire restoration during masticatory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



The low guide cone of the SKY TiSi.snap abutments is particulary 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.



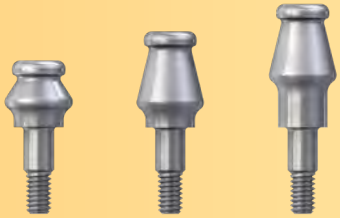
In cases of low bone height, the implants can be placed at an angle to make optimum use of the local bone. Thanks to the use of angled SKY TiSi.snap abutments on implants with oblique placement, the path of insertion is adjusted.



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

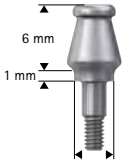
3.5 **blueSKY**
SKY classic



4.0

SKY TiSi.snap 3/1

REF TISI0Y31



SKY TiSi.snap 5/1

REF TISI0Y51

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

REF 580RTS25

SKY TiSi.snap 5/3

REF TISI0Y53

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

SKY TiSi.snap Abutment 17.5°

REF TISIAY17

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.

SKY TiSi.snap Abutment 35°

REF TISIAY35

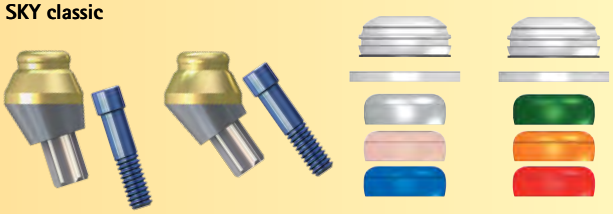
REF 580 RT SET

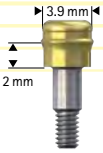
Contents:
retention.sil
in 3 hardnesses
in the double-mix
cartridge

SKY Locator®

blueSKY
SKY classic

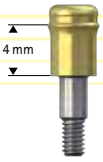
blueSKY
SKY classic





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

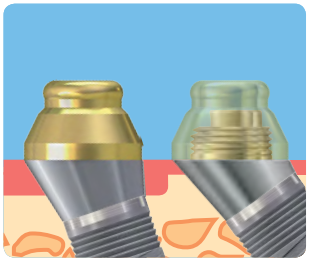
SKY Locator®
Processing set 10°-20°
2 Sets

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

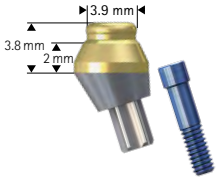


The original Locator® on an angled SKY base opens up new prosthetic horizons. The two-component design corrects the insertion direction:

- 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.



SKY Locator®Abutment
17,5°
Height 2 mm

REF LOCAB172

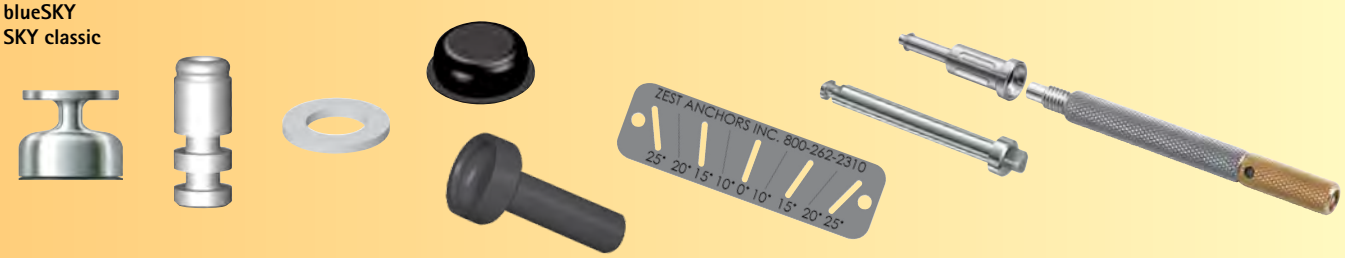
SKY Locator®Abutment
35°
Height 2 mm

REF LOCAB352

Material:
Titanium TiN-coated
Torque: 25 Ncm

Accessories SKY Locator®

blueSKY
SKY classic



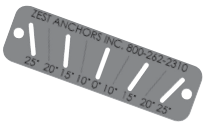
Impression coping
4 pieces
REF LOCZAK40

Laboratory analog
4 pieces
REF LOCZLA40

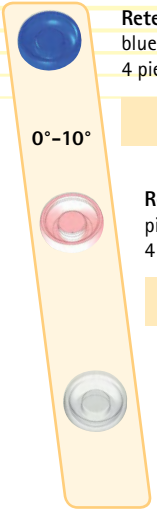
Blocking out ring
20 pieces
REF LOCblock

Processing insert black
4 pieces
REF LOCZVA11

Angular measuring abutment, 4 pieces
REF LOCZWIMP



Angular measuring gauge, 1 pieces
REF LOCZWIML



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

Retention insert
red, 6.7 N, 680 g
4 pieces
REF LOCR2006

Retention insert
orange, 9.1 N, 907 g
4 pieces
REF LOCR2009

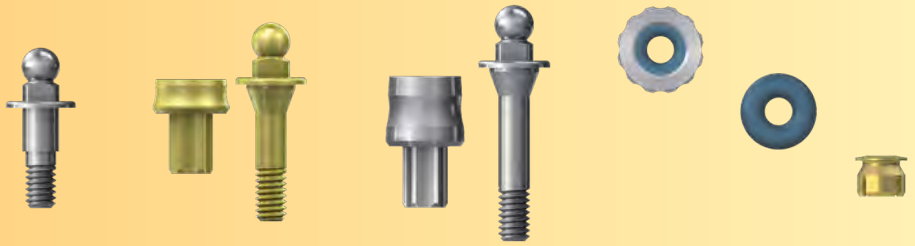
Retention insert
green, 17.8 N, 1815 g
4 pieces
REF LOCR2018

SKY Locator®
Instrument
1 pieces
REF LOCZINST

SKY Locator®
Angular insertion instrument, 1 pieces
REF LOCZWED6

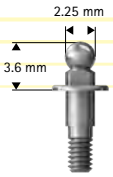
Ball head attachments

4.0 **blueSKY**
SKY classic



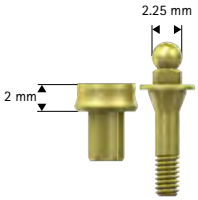
Based on the gingiva former, the patrix is screwed in after replacing the screw.
Various matrix systems are available:

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



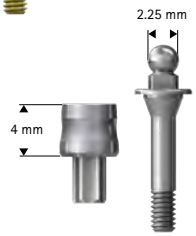
Ball head attachment
directly screwed
height 0 mm

REF SKY-KA00



Ball head attachment
height 2 mm

REF SKY-KA02



Ball head attachment
height 4 mm

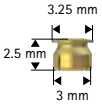
REF SKY-KA04

Metal housing
with O-ring

REF SKY-OR50

O-rings
6 pieces

REF SKY-OR55



SKY precious metal matrix

REF SKYGM225

SKY precious metal matrix activator

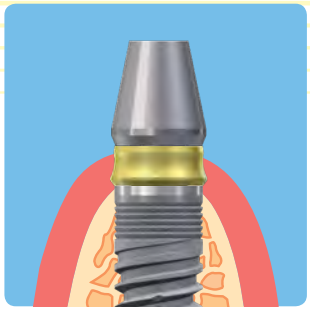
REF SKYGMAKT

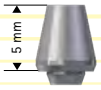
SKY precious metal matrix deactivator

REF SKYGMDEA

SKY Bar Abutment

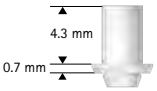
4.0 **blueSKY**
SKY classic





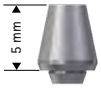
Bar abutment, titanium

REF SKY-ST11



Bar abutment, burn-out plastic

REF SKY-SK11



Bar abutment, HL

REF SKY-SH11

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.

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

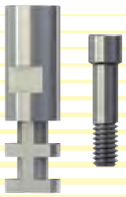
REF SKY-SB02

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: Markovićet 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

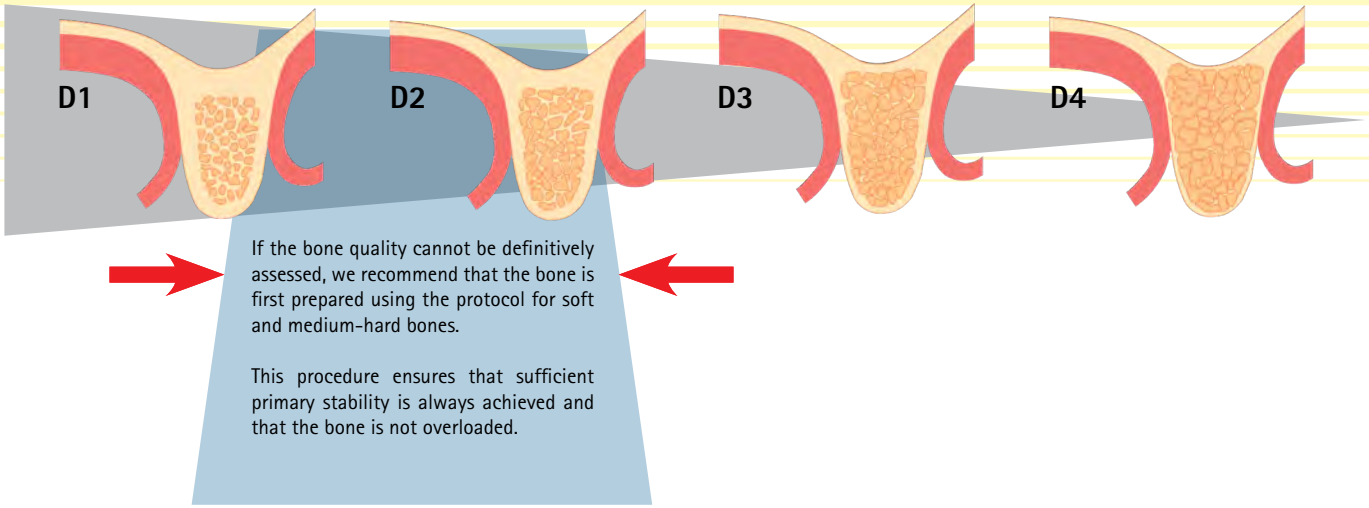
Bone density from hard to soft

Hard bone

Atraumatic tapping
Prevention of bone overloading during surgery

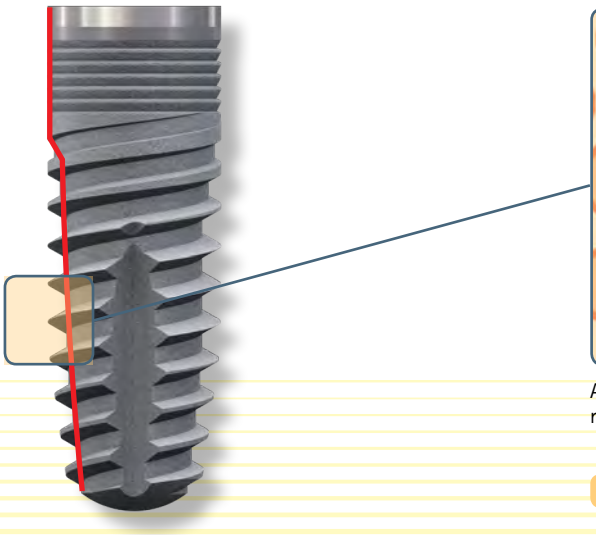
Medium-hard to soft bone

Bone compression
Achieving primary stability

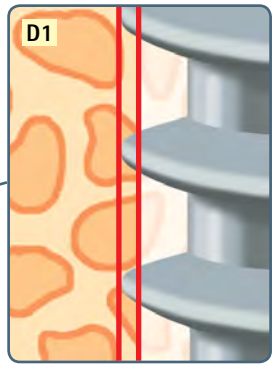


If the bone quality cannot be definitively assessed, we recommend that the bone is first prepared using the protocol for soft and medium-hard bones.

This procedure ensures that sufficient primary stability is always achieved and that the bone is not overloaded.

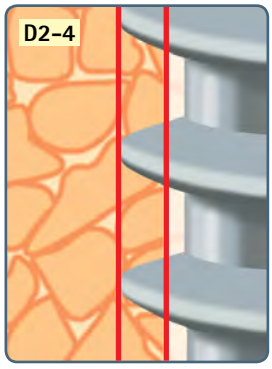


Hard bone



Atraumatic tapping thanks to reduced contact area

Medium-hard and soft bone



Apical compression thanks to increased contact area

Consistently high primary stability

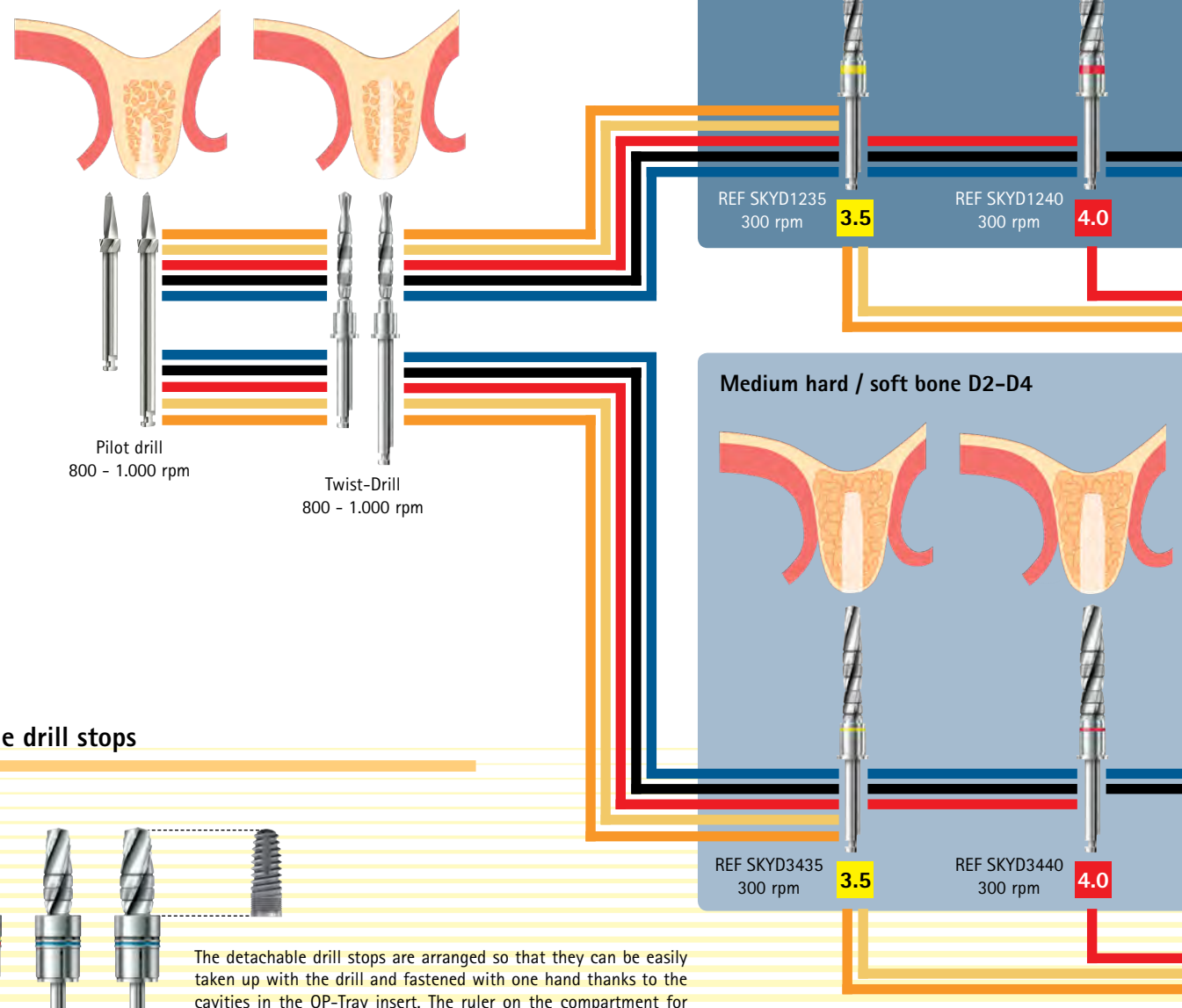
Technical specifications SKY

Surgical protocol tailored to bone quality

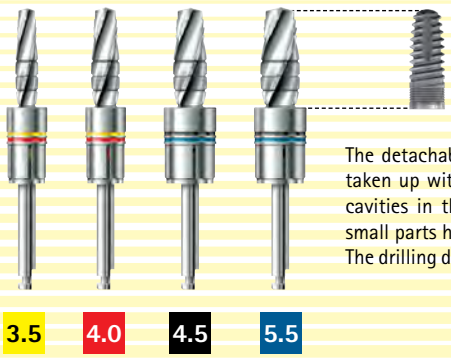
narrow SKY IMPLANT SYSTEM

blue SKY

- 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

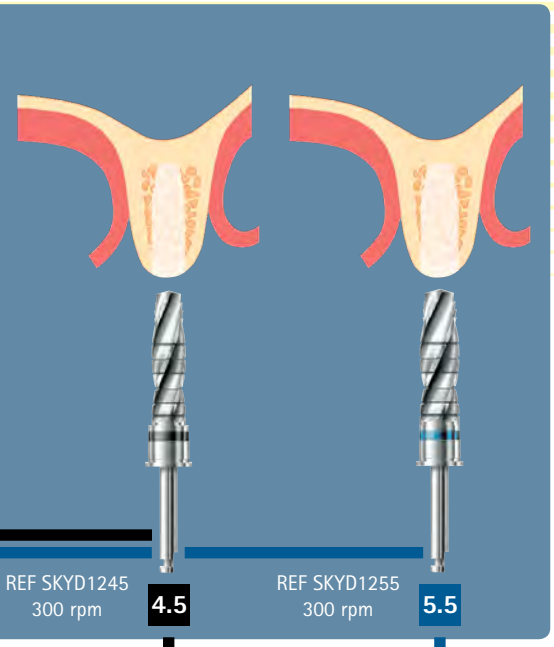


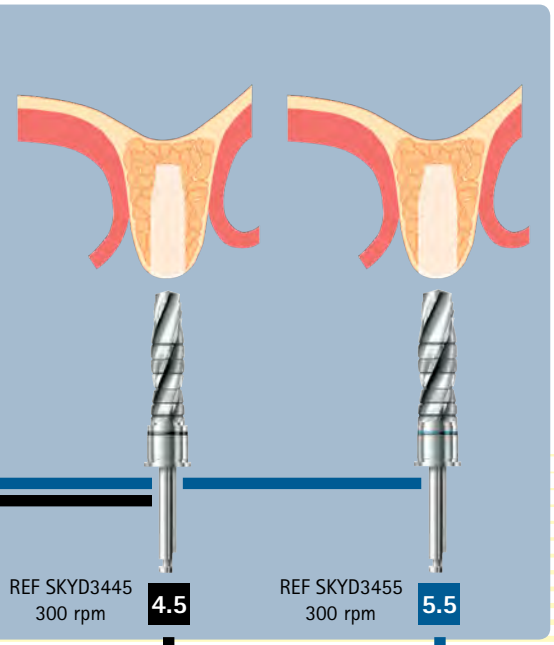
Detachable drill stops



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.

T: (+49) 0 73 09 / 8 72-4 41 | F: (+49) 0 73 09 / 8 72-4 44 | www.bredent-medical.com | @: info-medical@bredent.com

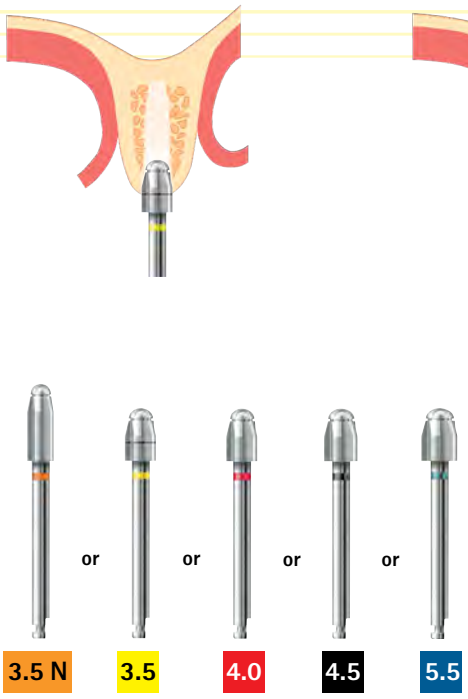


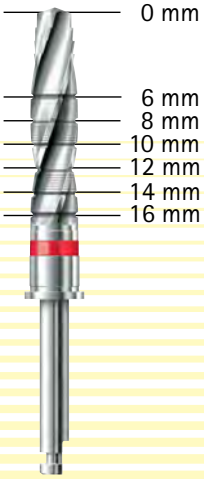


With the 3.5 diameter blueSKY and SKY classic implants, the crestal drill is only sunk up to the laser marking.

In the following implants:
- narrowSKY
- blueSKY 4.0 to 5.5
- SKY classic 4.0 to 4.5

the crestal drill is completely inserted.



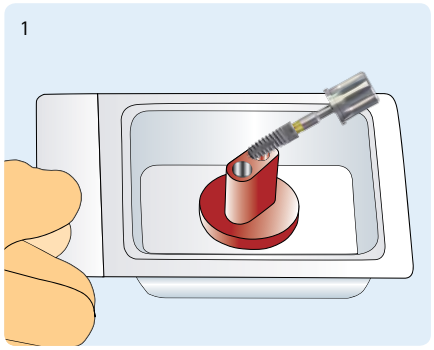


Technical specifications SKY

Fast, reliable and atraumatic implant placement

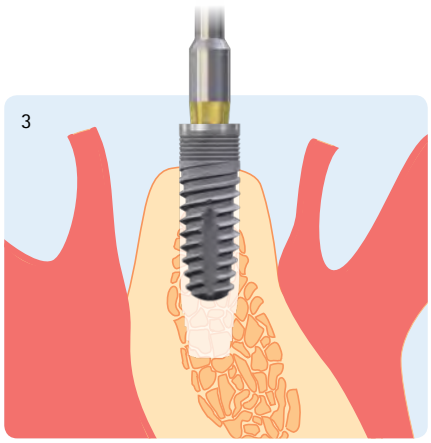
Removing and screwing in the implant and the cover screw without changing instruments.

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.

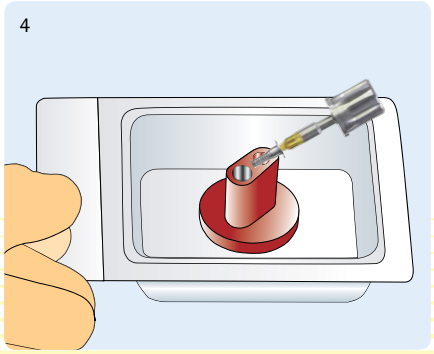


Open the new double sterile packaging. Remove the implant with the insertion instrument for the ratchet or the contra-angle.

The conical Torx® allows to hold the implant safely.

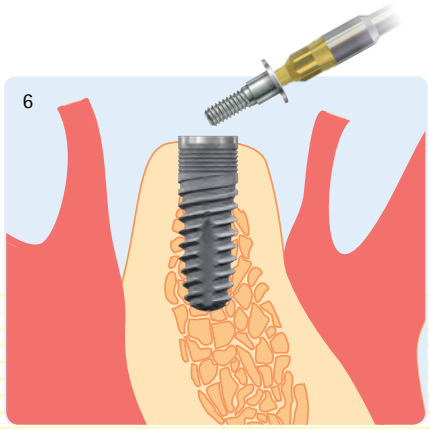


The implant is inserted and can be screwed in immediately.



The cover screw can be removed using the same instrument.

The cover screw is held securely by the cone.



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.

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Order information

Drill stops

		L6	L8	L10	L12	L14	L16
Twist-Drill	REF	SKYXST06	SKYXST08	SKYXST10	SKYXST12	SKYXST14	SKYXST16
Drill 3.5 4.0	REF	–	SKYS0840	SKYS1040	SKYS1240	SKYS1440	SKYS1640
Drill 4.5 5.5	REF	–	SKYS0845	SKYS1045	SKYS1245	SKYS1445	–

Bone bur rpm/min 800-1.000

Ø 4.1		REF SKY-DR41

Pilot drill rpm/min 800-1.000

Ø 3.1	short 	REF SKY-DP06
Ø 3.1	long 	REF SKY-DP08

Twist-Drill rpm/min 800-1.000

Ø 1.3		REF SKYDT13L
Ø 2.25	short 	REF SKYDT23K
Ø 2.25	long 	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 3.5 N
Ø 4.0		REF SKYXCD35	blueSKY, SKY classic 3.5
Ø 4.0		REF SKYXCD40	blueSKY, SKY classic 4.0
Ø 4.5		REF SKYXCD45	blueSKY, SKY classic 4.5
Ø 5.2		REF SKYXCD55	blueSKY 5.5

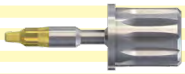
SKY Drill extension

	REF SKY-DV12	

Dimensions in mm

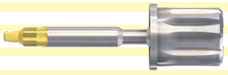
Technical specifications SKY

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

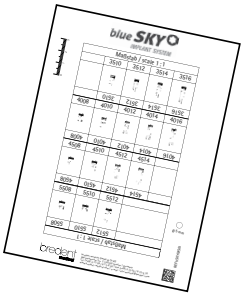
SKY Adapter

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°



blueSKY / narrowSKY X-ray-tamplates

REF bSKYMS01

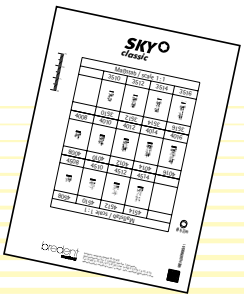
Scale 1:1

REF bSKYMS12

Scale 1,12:1

REF bSKYMS26

Scale 1,26:1



SKY classic X-ray-tamplates

REF kSKYMS01

Scale 1:1

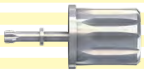
REF kSKYMS12

Scale 1,12:1

REF kSKYMS26

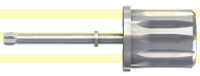
Scale 1,26:1

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

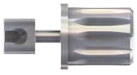
SKY Locator® mounter for contra-angle

REF SKYADAP6

SKY Adapter

REF LOCZINST

SKY Locator® Instrument



REF SKY-SD21

SKY prosthetic key
for ball abutments

REF 310W0106

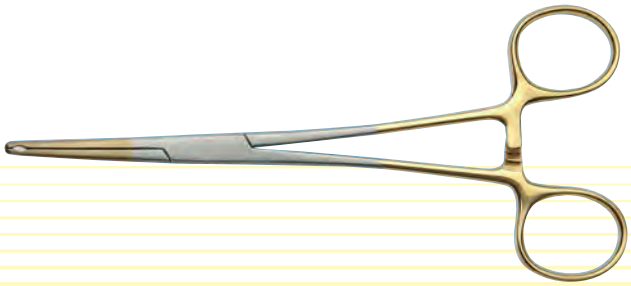
Screwdriver Alle
0.9 for transversal screw-retention

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.

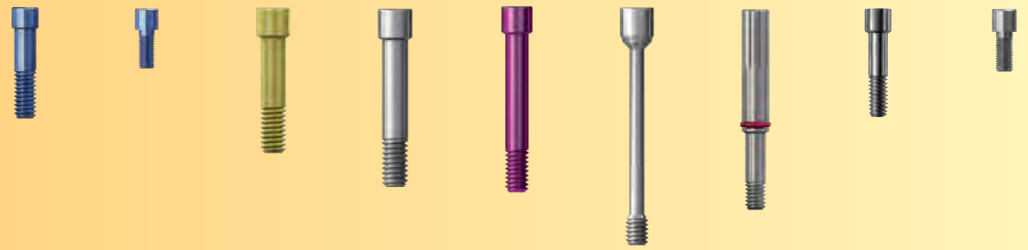
REF SKY-SD65

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 Pretension 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

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

REF SKYUFTS9

Laboratory screws

SKY lab screw PS22
grey, 10 pieces

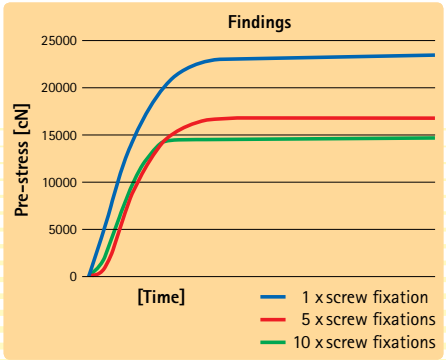
REF SKYLPS22

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

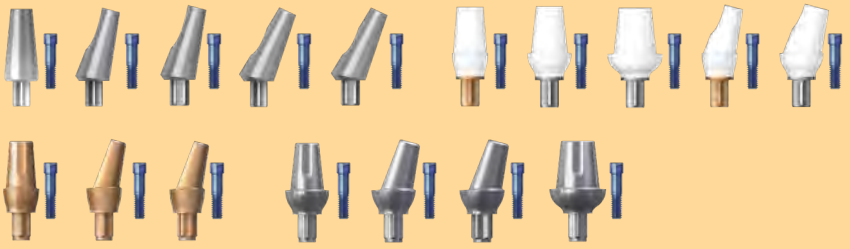


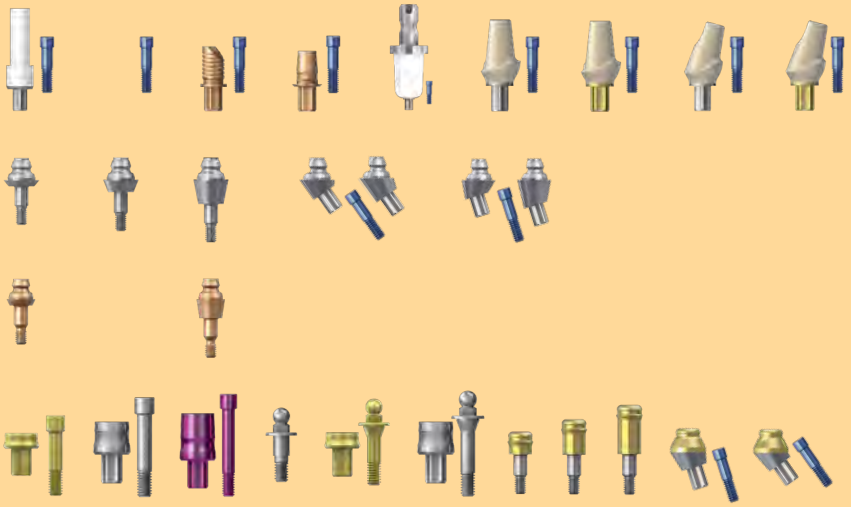
Repeatedly tightening the screws reduces pretension by up to 40 %.

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



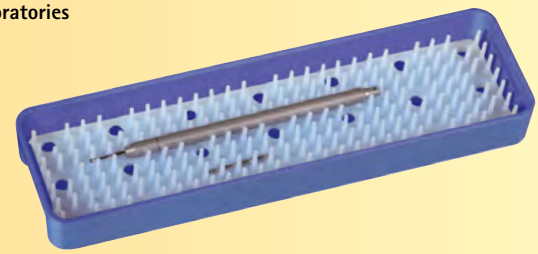


Technical specifications

SKY prosthetic assortment

Practice

Laboratories



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.

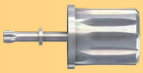
The long laboratory handle contained in the SKY prosthetic case for laboratories enables perfect handling and use of the screws on the master models. Appropriate latch-grip screwdrivers are securely held in the adapter for contra-angles and can be exchanged easily. As a result, the SKY abutment screws 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

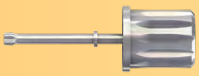
REF SKYPET10

Content:

SKY torque ratchet

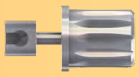


SKY prosthetic key short

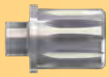


SKY prosthetic key long

The following components can also be selected



SKY prosthetic key for ball head attachments



SKY adapter, instruments for contra-angles

Screwdriver, Alle screw 0.9 for transversal screw-retention

SKY Key holder

SKY prosthetic assortment laboratories

REF SKYPET20

Content:

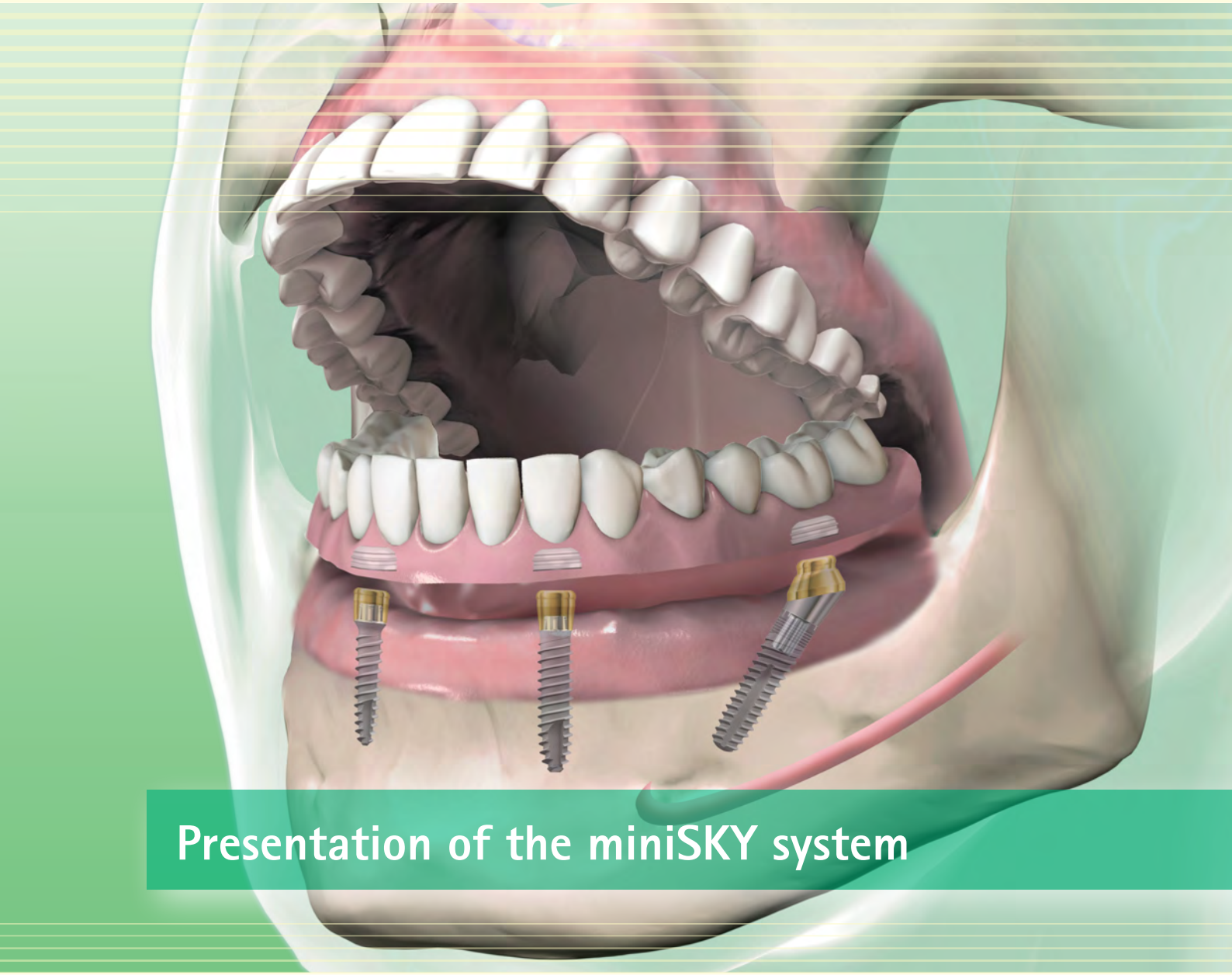
SKY laboratory handle

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

bredent medical

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:
- mini¹SKY with ball head and O-ring or precious metal matrix
- mini²SKY with locator

Problems in patients with very narrow tooth gaps:
- Narrow edentulous space
- Aesthetic restoration required
- Low bone level despite remaining teeth

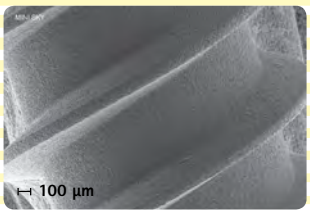
mini²SKY for aesthetic restoration of narrow gaps:
- Two implant diameters and one implant platform
- Semi-transgingival implant avoids a second operation
- Conical outer connection ensures a secure and long-lasting connection

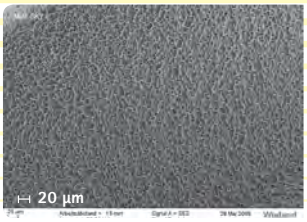
miniSKY diameter-reduced implants

mini[1]SKY IMPLANT SYSTEM

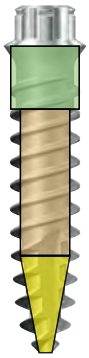
The mini[1]SKY and mini[2]SKY Implantate feature the proven *osseo connect* surface (ocs®) of the blueSKY implants to ensure fast and reliable osseointegration.

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.



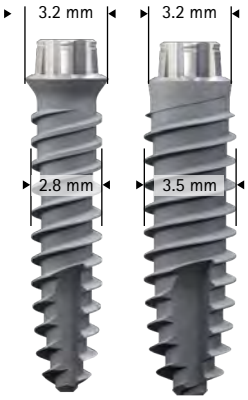


miniSKY – Technical data



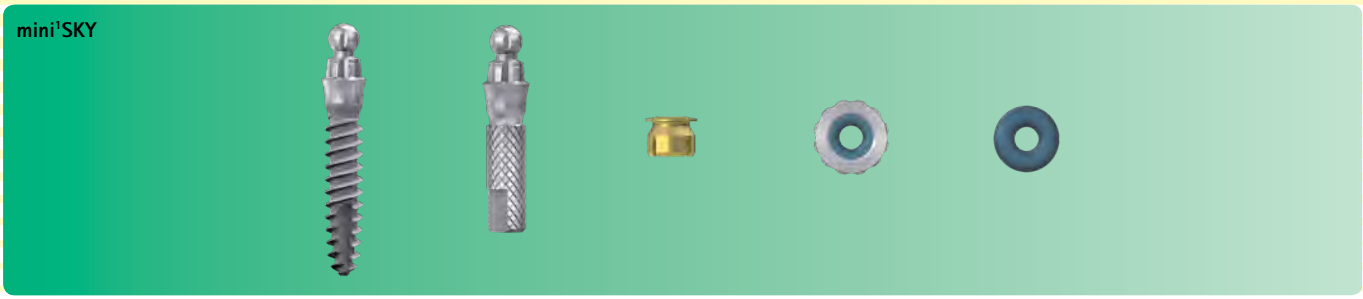
Three-step functional design

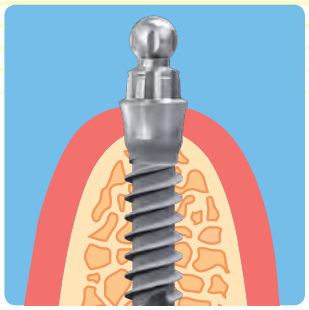
- Cortical relief
- Central stabilization
- Special tip



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

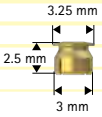
mini¹SKY – Fixation of prostheses in severely atrophied jaws





Fixation of prostheses on mini¹SKY 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

mini¹SKY
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

mini¹SKY **2.8**

Length 6 mm

REF m1SKYL06

Length 10 mm

REF m1SKYL10

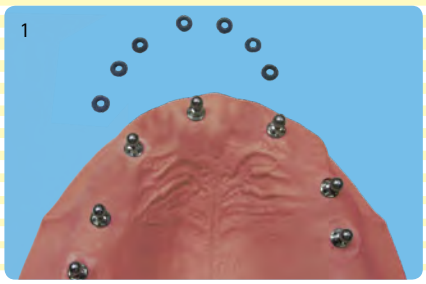
Length 12 mm

REF m1SKYL12

Length 14 mm

REF m1SKYL14

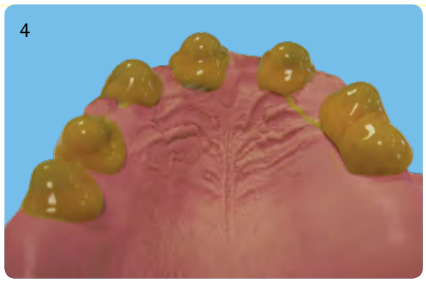
mini¹SKY – Impression and model fabrication



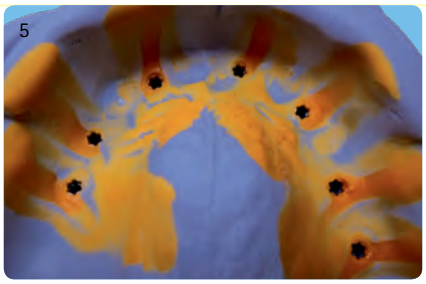
Initial situation

When making an impression of the mini¹SKY implants, the o-ring (SKY-OR55) is placed over the ball head

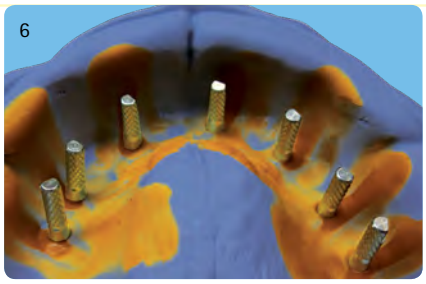
The torx of the mini¹SKY implants and the o-rings is then fully molded using the impression material, brecision implant light (580 BL050).



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.



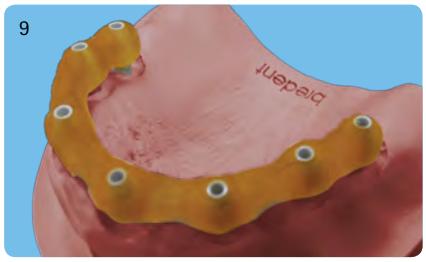
Once the impression material has cured, it is possible to carefully remove the impression tray. The o-rings remain in the impression. The torx of the mini¹SKY implants is clearly recognizable and aids repositioning of the laboratory analog.



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-ringe
6 pieces

REF SKY-OR55

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

REF 580 BH38 0

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

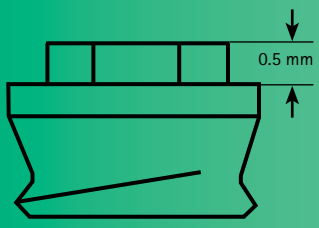
REF 540 0113 3

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

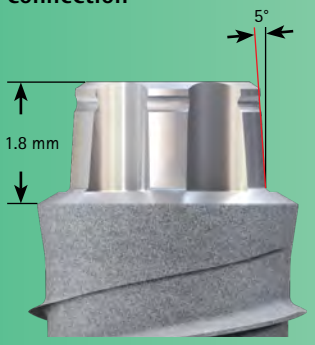
REF 580 BL05 0

mini²SKY Implant abutment connections

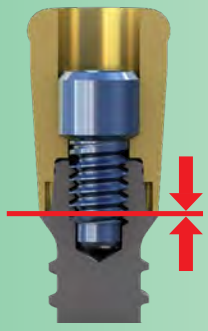
Competing implant abutment connection



mini²SKY implant abutment connection



- High implant abutment connection
- Minimal play owing to 5° cone
- Exceptional stability



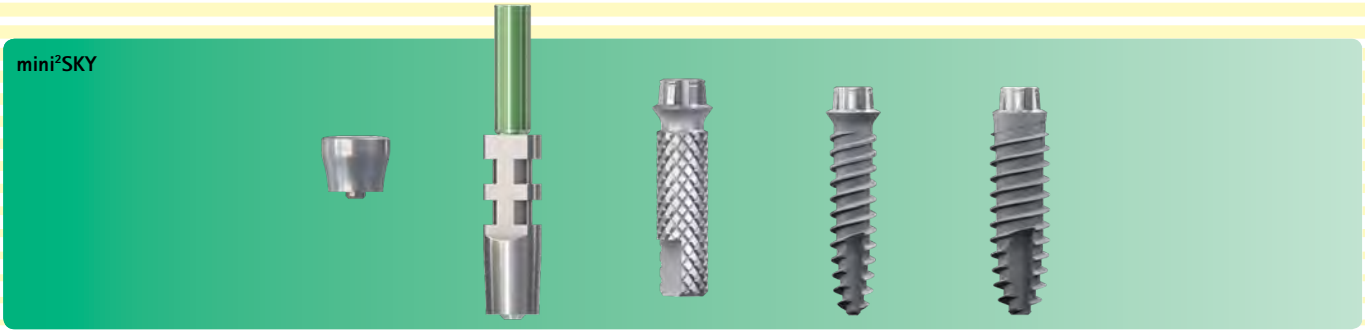
Definitive positioning of the suprastructure

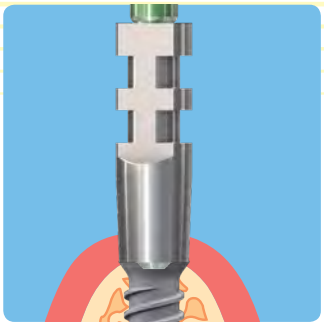
Semi-transgingival healing

Gentle for patients

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

mini²SKY – Impression and model fabrication





mini²SKY Gingiva former

The mini²SKY gingiva former completely covers the high precision torx and supports and ideally molds the soft tissue.

In order to mould mini²SKY implants, the mini²SKY 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 mini²SKY implant analog (m2SKYXIA) is screwed to the mini²SKY impression abutment and the model is manufactured from super-hard stone.

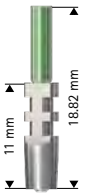
Transgingival healing with a prefabricated or individual gingiva former spares the patient a second intervention.

mini²SKY is supplied with a gingiva former for healing.
A cover screw is therefore not supplied.

mini²SKY
Gingiva former

REF m2SKYGF3

Material: Titanium
Torque: 10 Ncm



mini²SKY
Impression Abutment
open tray

REF m2SKYPA1

mini²SKY
Implant analog

REF m2SKYXIA

Material: Titanium
Torque: 10 Ncm

mini²SKY **2.8**

Length 10 mm
REF m2SKYL10

Length 12 mm
REF m2SKYL12

Length 14 mm
REF m2SKYL14

mini²SKY **3.2**

Length 8 mm
REF m2SK3208

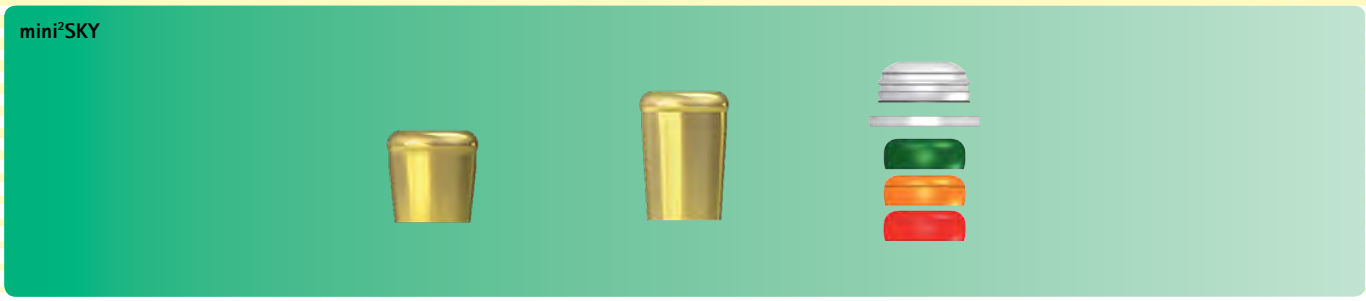
Length 10 mm
REF m2SK3210

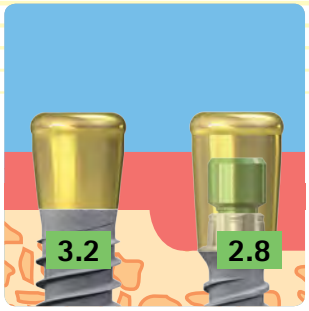
Length 12 mm
REF m2SK3212

Length 14 mm
REF m2SK3214

mini²SKY Locator® abutment

mini²SKY





miniSKY Locator®
height 2 mm
1 pieces

REF m2SKYLC2

miniSKY Locator®
height 4 mm
1 pieces

REF m2SKYLC4

The mini²SKY Locator® is available in heights of 2 mm and 4 mm and provides special protection against rotation for simple placement of the mini²SKY Locator® on the external precision torx of the mini²SKY 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® retention inserts 20° can be used for this procedure.

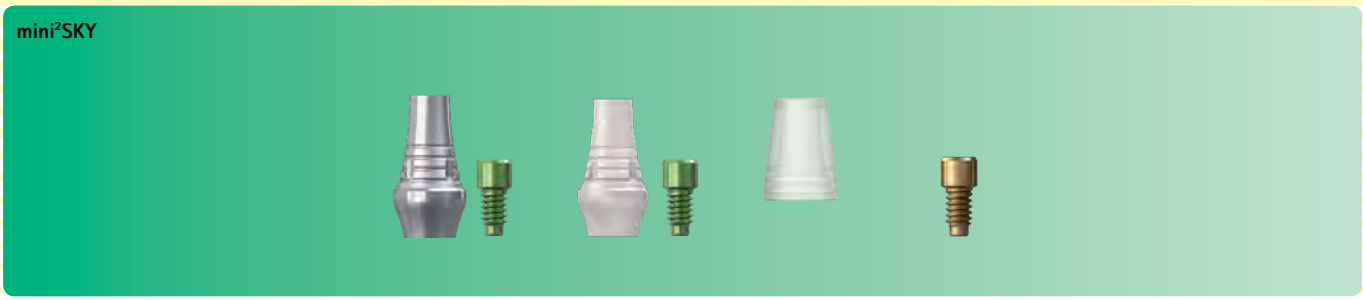
Material:
Titanium TiN-coated
Torque: 20 Ncm

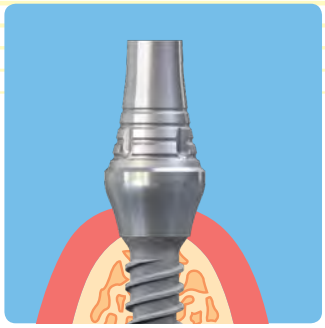
Locator®
Prozessing set
2 sets

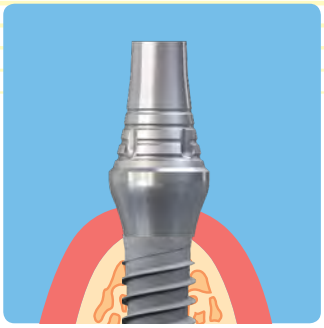
REF LOCLAB20

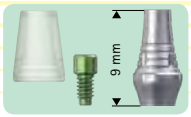
Additional Locator® accessories – see page 42

mini²SKY – Restoration of narrow gaps





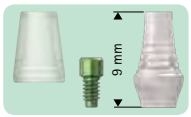




mini²SKY
MD-Abutment titan

REF m2SKYMDT

Material: Titanium
Torque: 20 Ncm



mini²SKY
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.

Screws

Screw mini²SKY
6 pieces

REF m2SKYS22

Laboratory screw mini²SKY
10 pieces

REF m2SKYL22

mini²SKY Individual abutment

mini²SKY

With the new mini²SKY uni.fit abutment, laboratory-produced individual abutments can be manufactured on mini²SKY, 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.

mini²SKY
uni.fit abutment
1 piece

REF m2SKYUFA

Material: Titanium
Torque: 20 Ncm

Modelling sleeve
10 pieces

REF UFCADMOD

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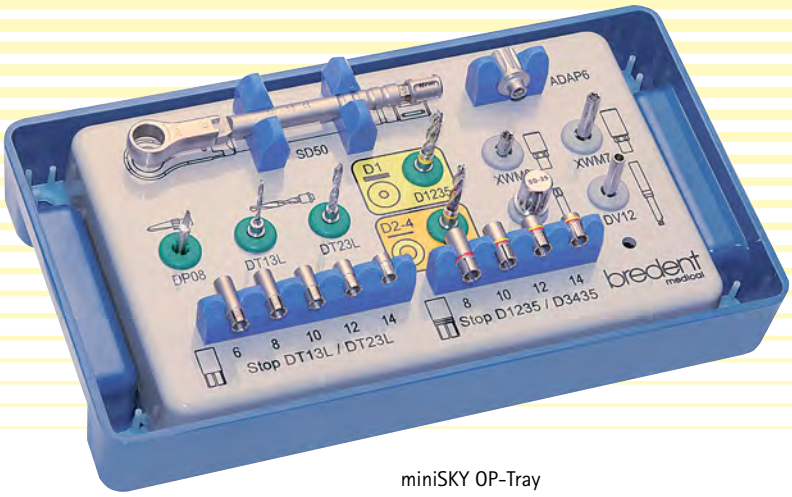
OP-Tray with drills and instruments

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

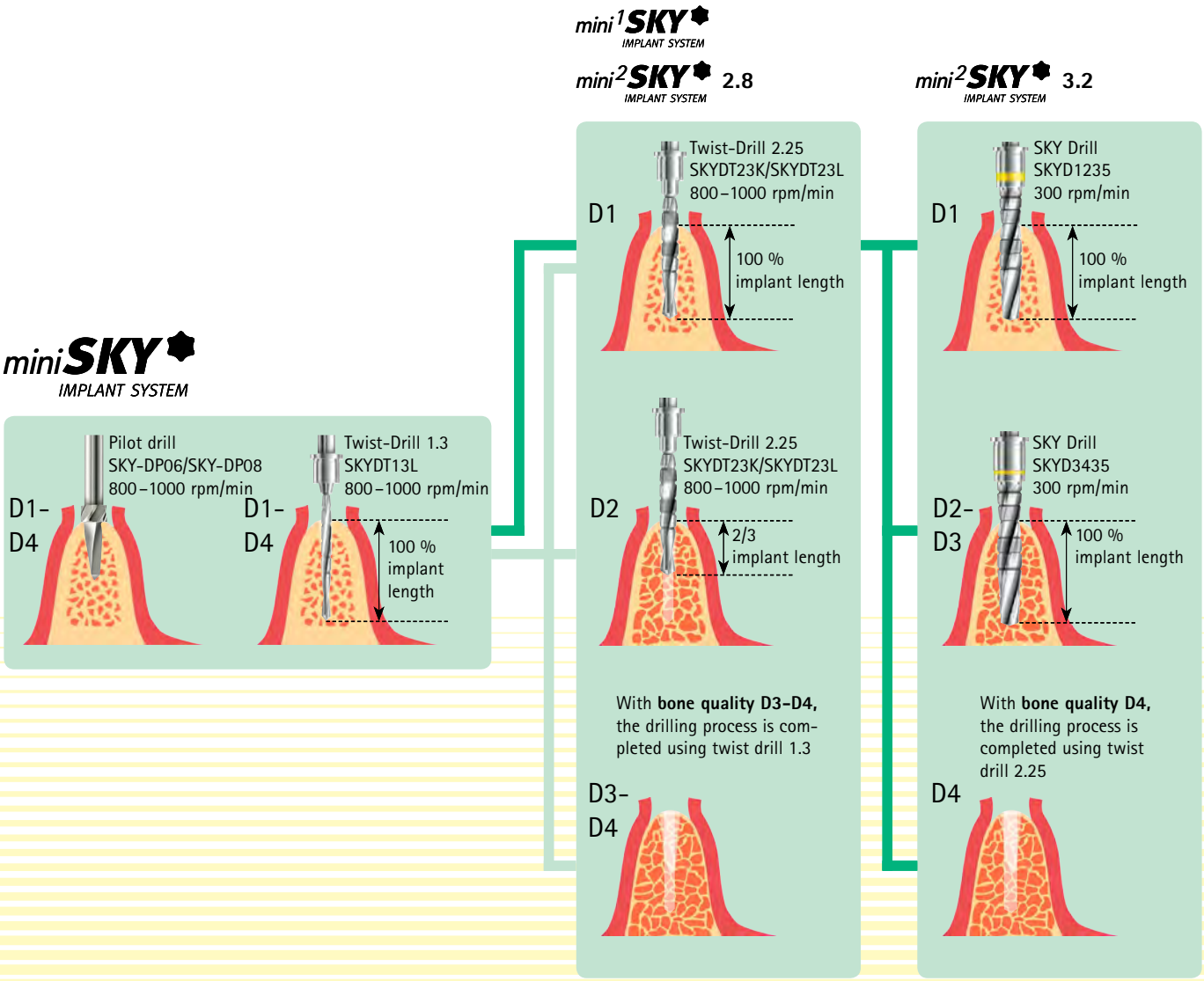
All of the instruments can be easily assigned and identified by means of the images and order numbers.

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

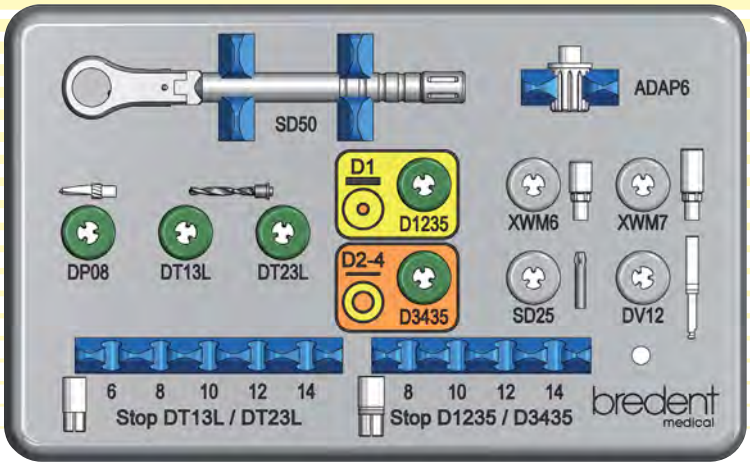


miniSKY OP-Tray

REF mSKYOT41



Drills, drill stops, and tools



Drill stops

		L6	L8	L10	L12	L14
Twist-Drill	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 — REF SKYDT13L

Ø 2.25 lang — REF SKYDT23L

Drill for hard bone rpm/min. 300

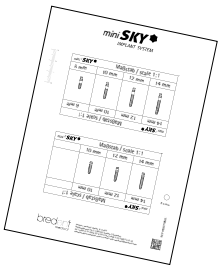
Ø 3.3 — REF SKYD1235

Ø 3.06 — REF SKYD3435

SKY Drill extension

REF SKY-DV12

miniSKY X-ray-tamplates



REF mSKYMS01 M = 1:1

REF mSKYMS12 M = 1,12:1

REF mSKYMS26 M = 1,26:1

SKY Prosthetic key
long

REF SKY-SD25

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

Patient brochures about our therapies

Request the patient brochures in the format 210 x 210 mm free of charge and recommend the therapies of bredent medical in a way that patients can easily comprehend.

Smile again... with dental implants!

REF 000 540G B

This patient brochure provides an overview of the functionality of implant restorations and the therapeutic options available for such restorations:

- gap closure, e.g. in case of single tooth loss
- partially edentulous ridges
- fixation of dentures

Oral health – for a lifetime

REF 000 484G B

The antimicrobial photodynamic HELBO® therapy controls bacterial infections and has proven its reliability for the preservation of teeth and implants. No pain. No side effects. No resistances. The success has been scientifically proven for more than 10 years.

Suitable posters for our therapies

Request the print data for your posters in the A1 format free of charge now and recommend the therapies of bredent medical using a humorous approach in your practice.

Send your request to:
marketing-medical@bredent.com

...gapless...

REF 0P0 201G B

...gapless... Version 2

REF 0P0 202G B

...in the thick of it...

REF 0P0 205G B

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

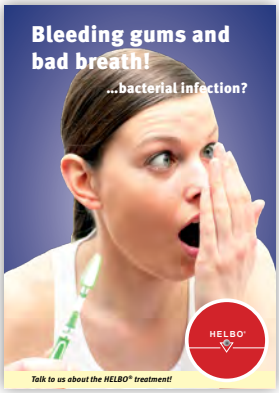
REF 0P0 204G B

tempting...?

REF 0P0 203G B

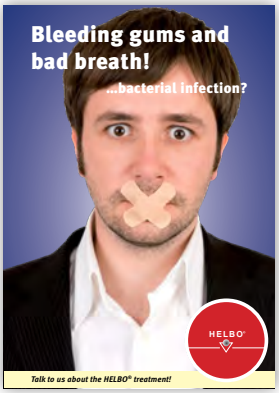
tempting...? Version 2

REF 0P0 200G B



...bacterial infection

REF 0P0 210G B



....bacterial infection Version 2

REF 0P0 220G B

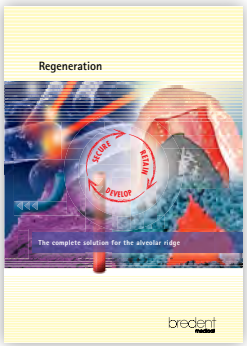
Presentation of the system

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

bredent medical

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