SKY
IMPLANT SYSTEM

Presentation of the system

The leader in immediate restoration

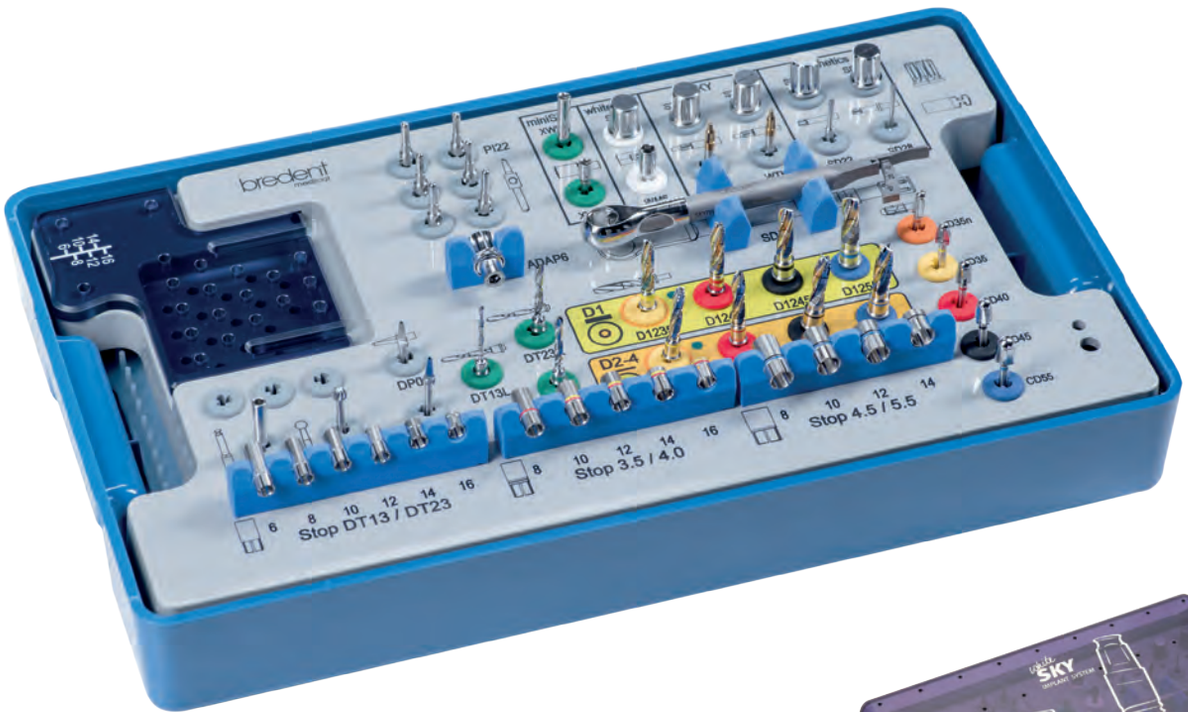
bredent
medical

we are

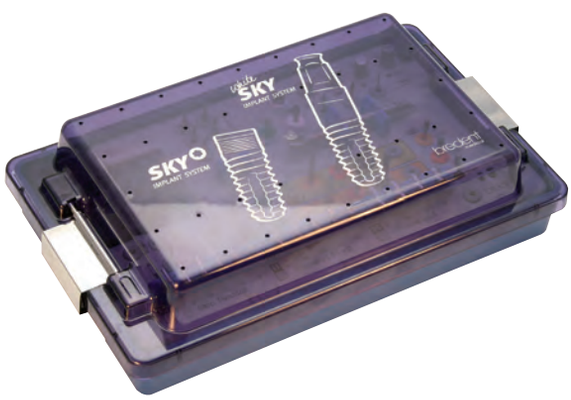
we are One!

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

Seven implant lines – one instrument kit



SKY Surgical Kit
REF SKYXOT21



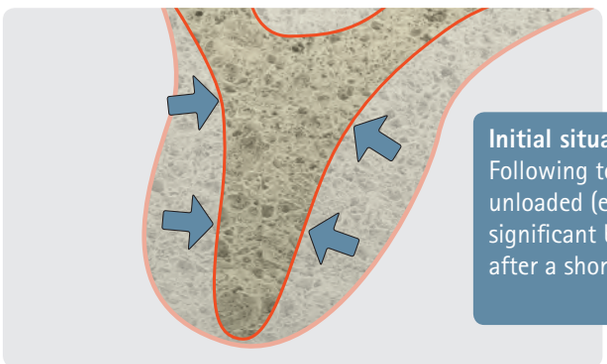
A study by the University of Belgrade showed that, when using the SKY drill, only a small amount of heat was generated in the bone.

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

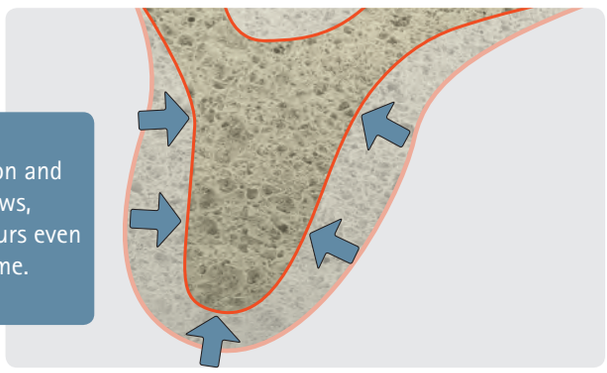
The right implant for every bone situation

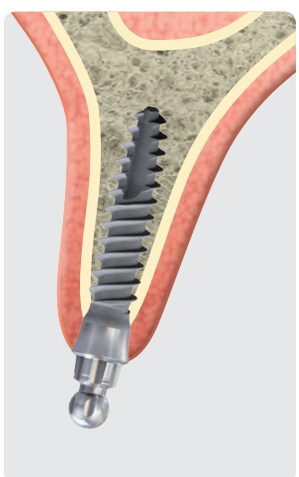
Narrow implants
Ø < 3 mm

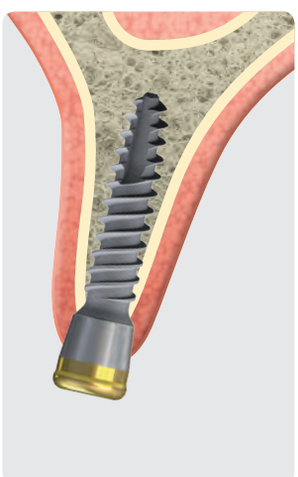
Implants with reduced diameter
Ø 3 – 3.5 mm

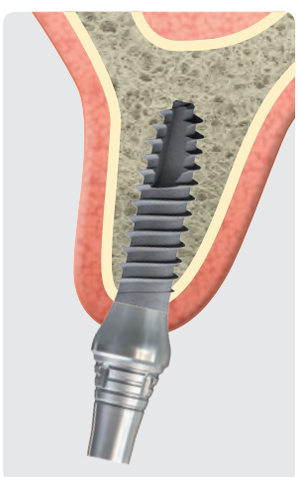


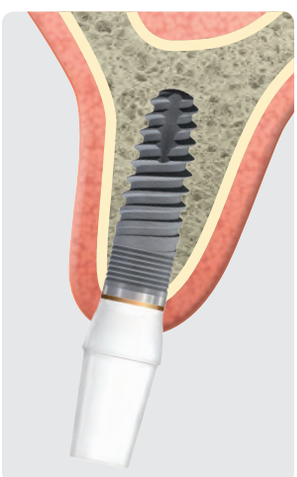
Initial situation
Following tooth extraction and unloaded (edentulous) jaws, significant bone loss occurs even after a short period of time.











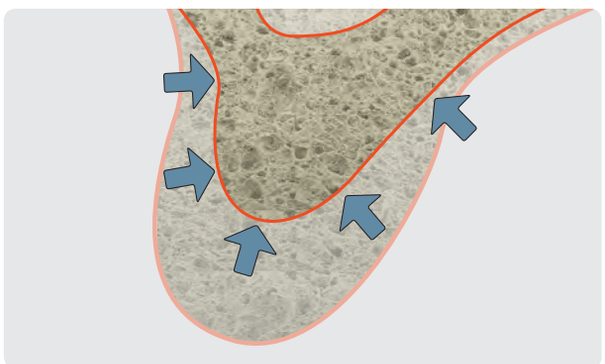
mini¹ SKY 2.8

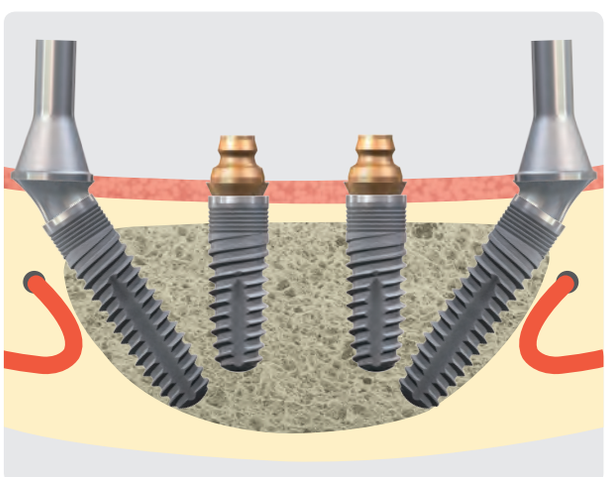
mini² SKY 2.8

mini² SKY 3.2

narrow SKY

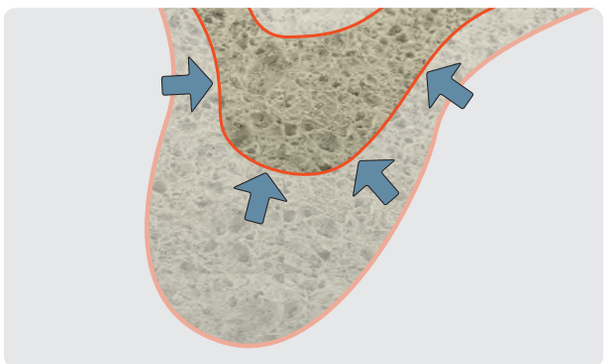
Angled

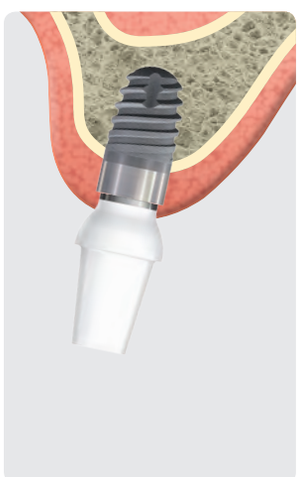


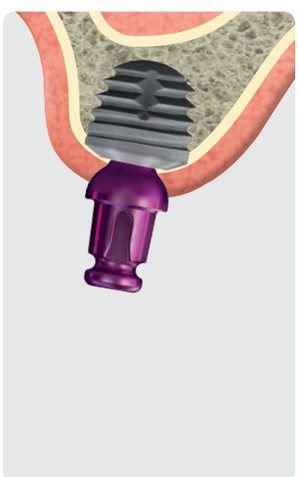


blue SKY

Short
Length < 8 mm



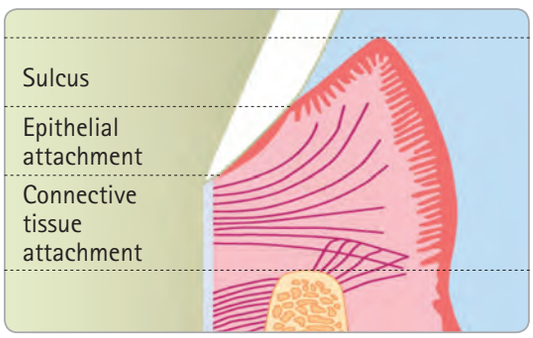




classic SKY (tissue level)

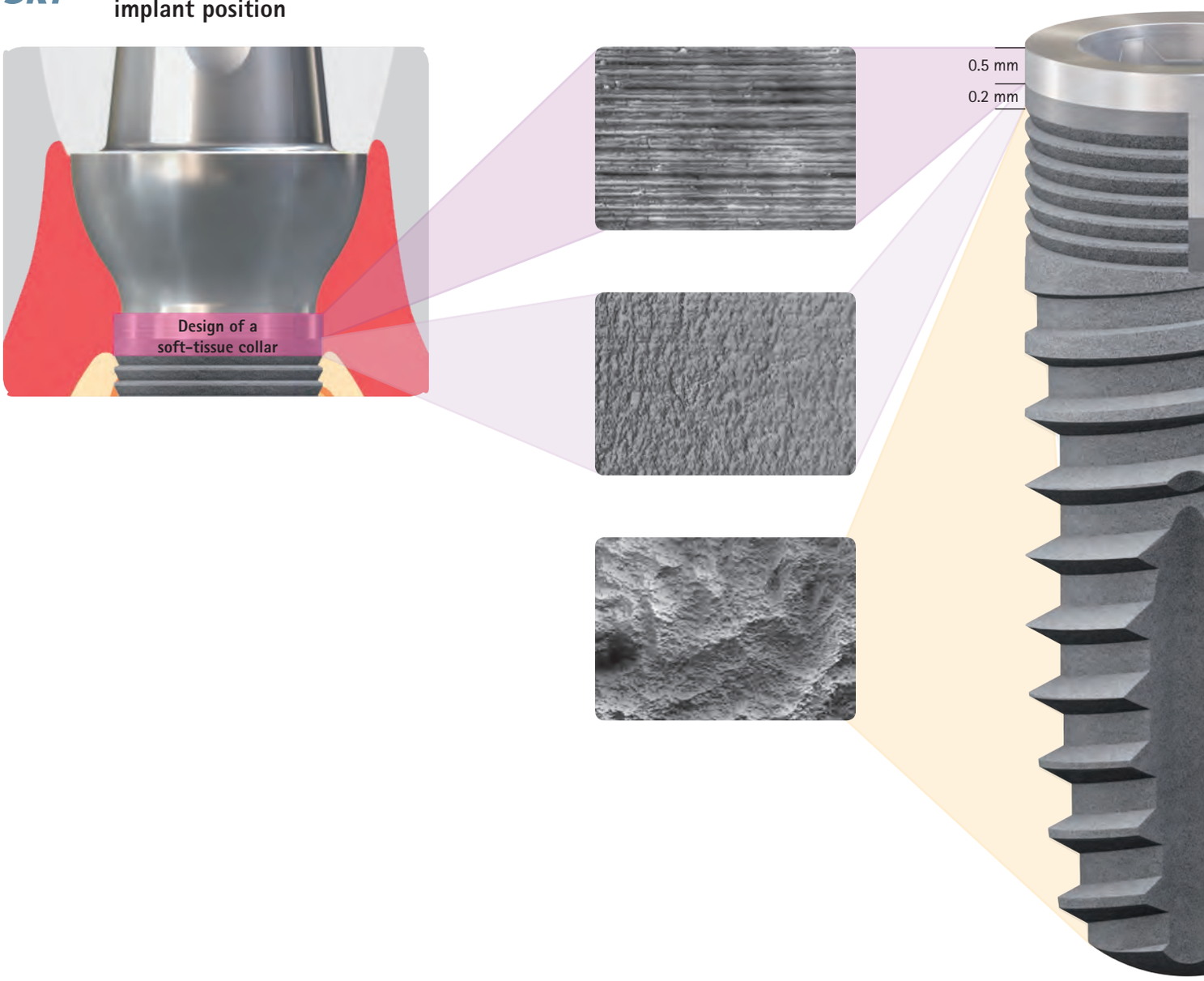
copa SKY

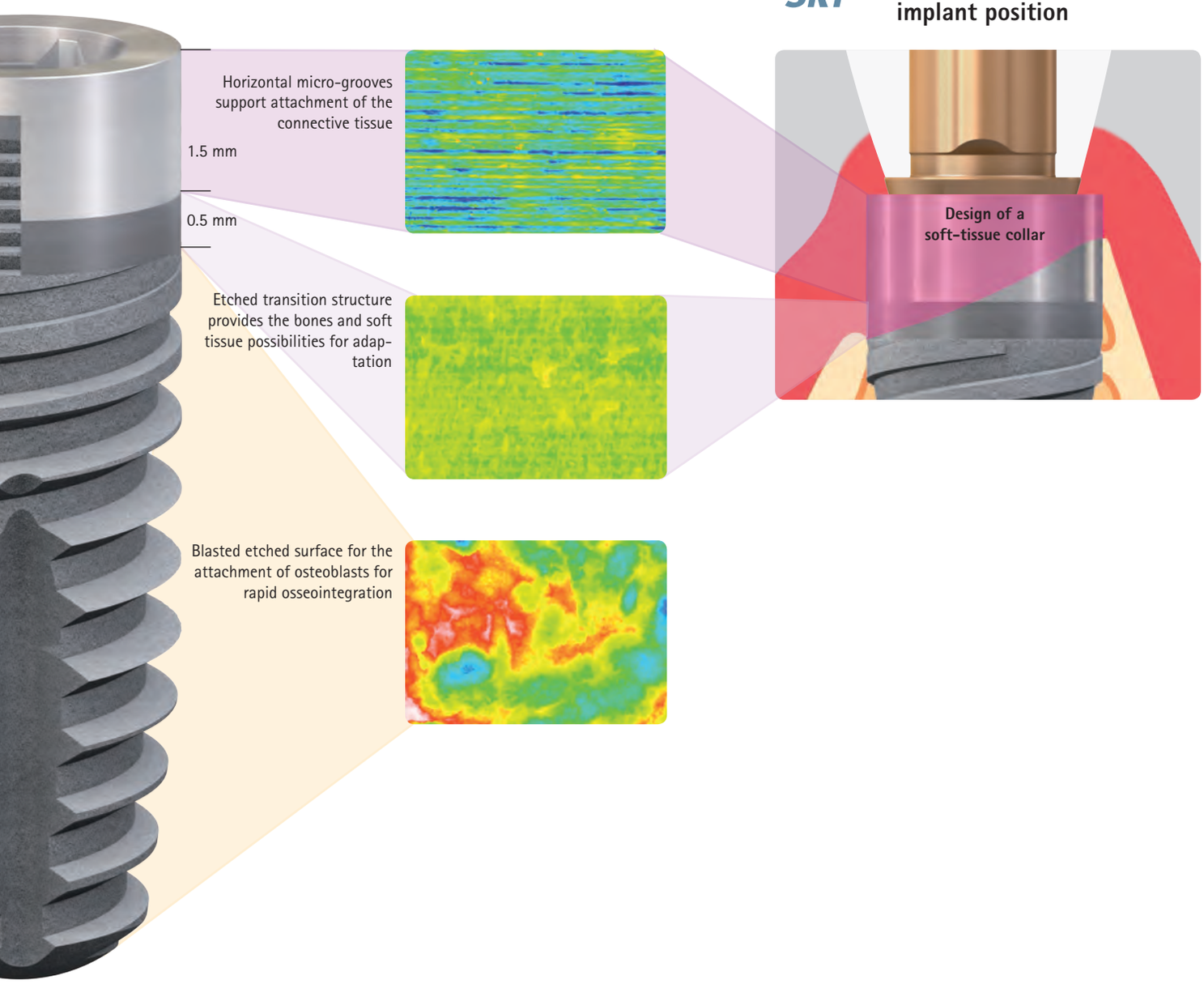
SKY *osseo connect* surface (*ocs*)®



The structure of the connective tissue consists of horizontal fibres that attach themselves to the natural tooth and therefore prevents plaque attachment.
The horizontal micro-grooves on the SKY implants also support attachment of the soft tissue so that a type of soft tissue cuff is created to protect the implant.

blue SKY Iso-crestal implant position

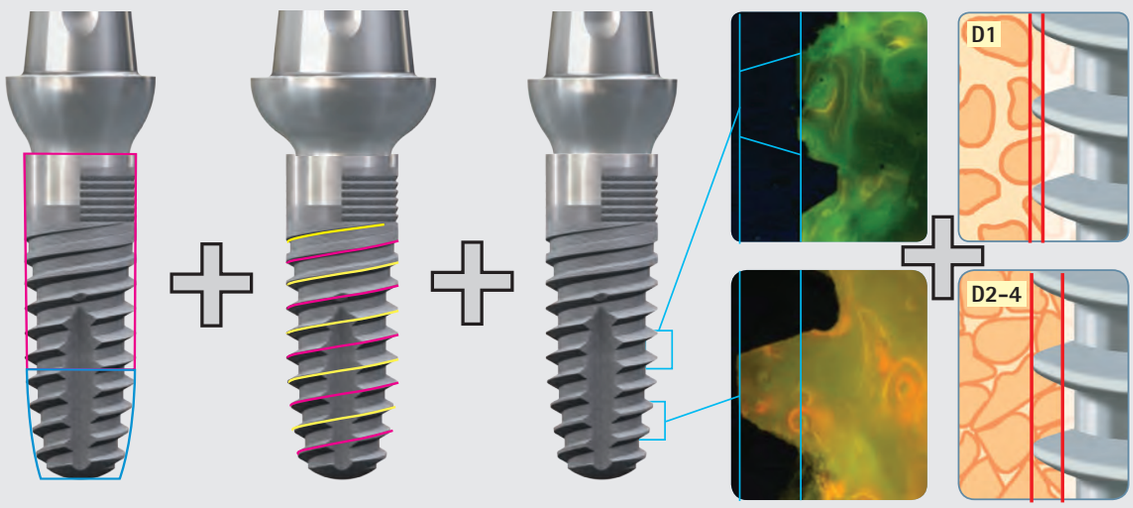



Horizontal micro-grooves support attachment of the connective tissue
1.5 mm
0.5 mm
Etched transition structure provides the bones and soft tissue possibilities for adaptation
Blasted etched surface for the attachment of osteoblasts for rapid osseointegration
classic SKY
Semi-transgingival implant position
Design of a soft-tissue collar

SKY implant design for maximum primary stability

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

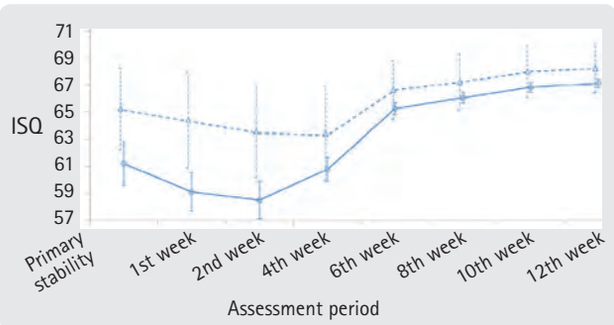
Surgical protocol tailored to bone quality

- Primary stability in every quality of bone

Scientifically proven

A study by Prof. Marković proves that the blueSKY implant has a very high level of primary stability in comparison to implants from competitors.

It also shows that rapid osseointegration takes place with modern implant surfaces and that no loss of stability occurs after a few weeks. Secure immediate restoration is therefore possible.



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

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

Important:
The surgical protocol for the SKY system enables the primary stability of the SKY implants to be increased easily using condensation: See page: 18

SKY implants overview

narrowSKY 3.5 N

NP – Narrow platform

3.5 N	REF
Length 8 mm	nSKY3508
Length 10 mm	nSKY3510
Length 12 mm	nSKY3512
Length 14 mm	nSKY3514
Length 16 mm	nSKY3516

3.5 N

Including
a cover screw

blueSKY

RP – Regular platform

4.0	REF
Length 8 mm	bSKY4008
Length 10 mm	bSKY4010
Length 12 mm	bSKY4012
Length 14 mm	bSKY4014
Length 16 mm	bSKY4016

4.0
4.5

Including
a cover screw

SKY classic

RP – Regular platform

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

4.0
4.5

Including
a cover screw

Narrow platform (NP)

NP

Regular platform (RP)

RP

4.5

	REF
Length 8 mm	bSKY4508
Length 10 mm	bSKY4510
Length 12 mm	bSKY4512
Length 14 mm	bSKY4514

5.5

	REF
Length 8 mm	bSKY5508
Length 10 mm	bSKY5510
Length 12 mm	bSKY5512

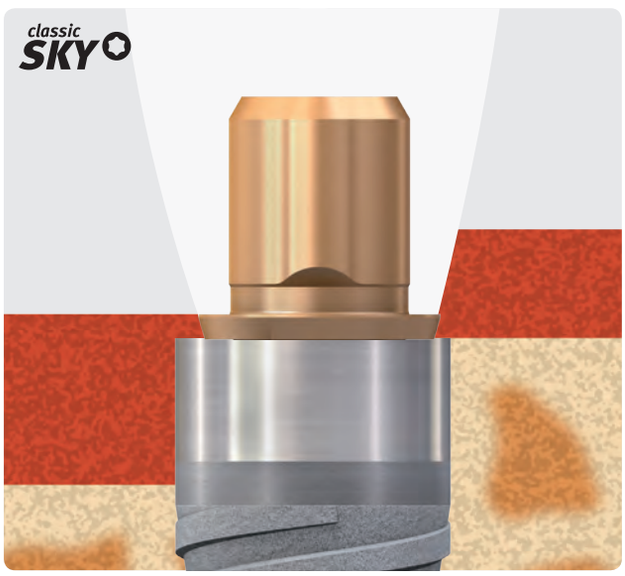
5.5

Including
a cover screw

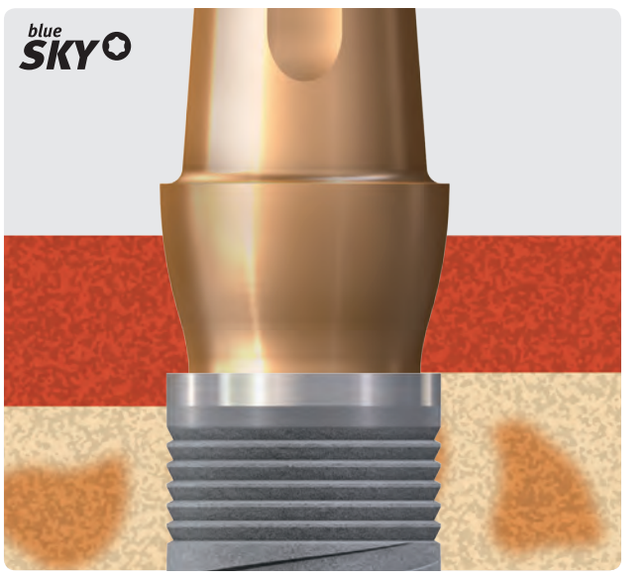
4.5

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

SKY implant positioning in relation to the bones

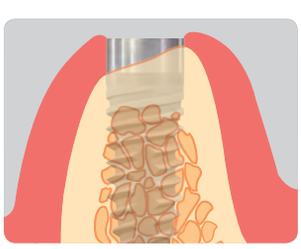


Supracrestal Isocrestal

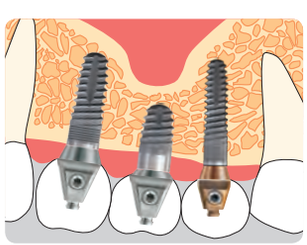


Isocrestal Isocrestal

Indication



Supracrestal and isocrestal implant position



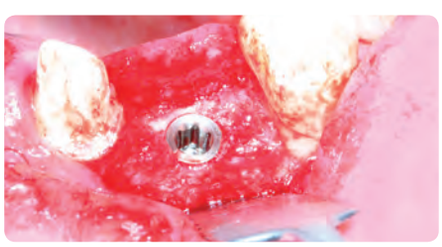
Short implants

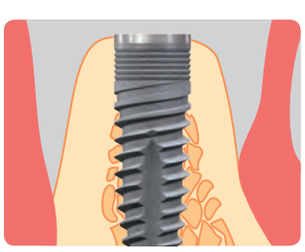
The SKY classic implant reduces the need for bone reduction in a narrow or irregular ridge.

The 8 mm implant can be used as a short implant (6.0 mm) by way of supracrestal positioning.

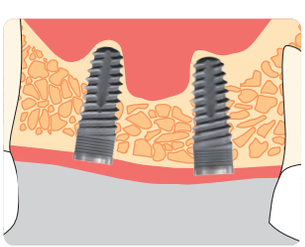
The SKY classic implant is perfectly suited to flapless implantation, since the long, machined neck easily allows for a semi-transgingival implant position.

Indication





implant position



Augmented implant site

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.

Surgical protocol tailored to bone quality

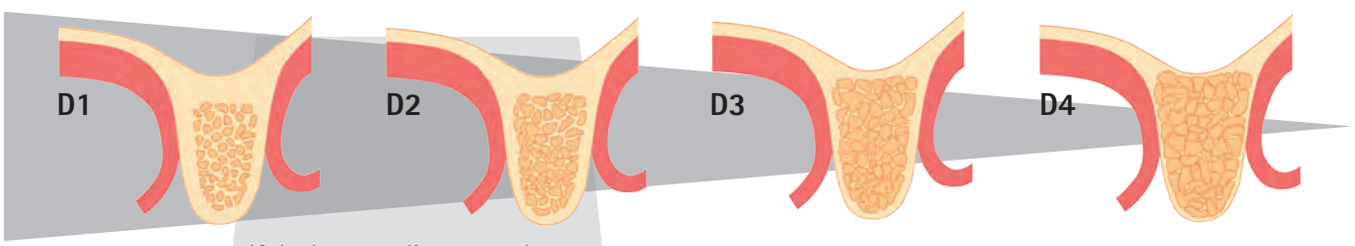
Bone quality from hard to soft

Hard bone

Atraumatic tapping
Prevention of bone overloading during surgery

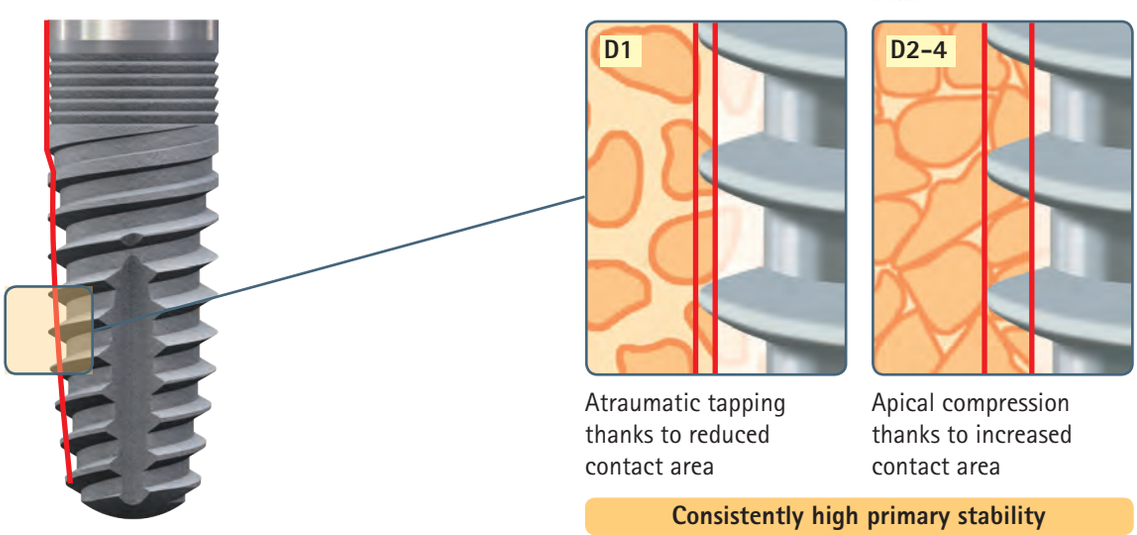
Medium-hard to soft bone

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.



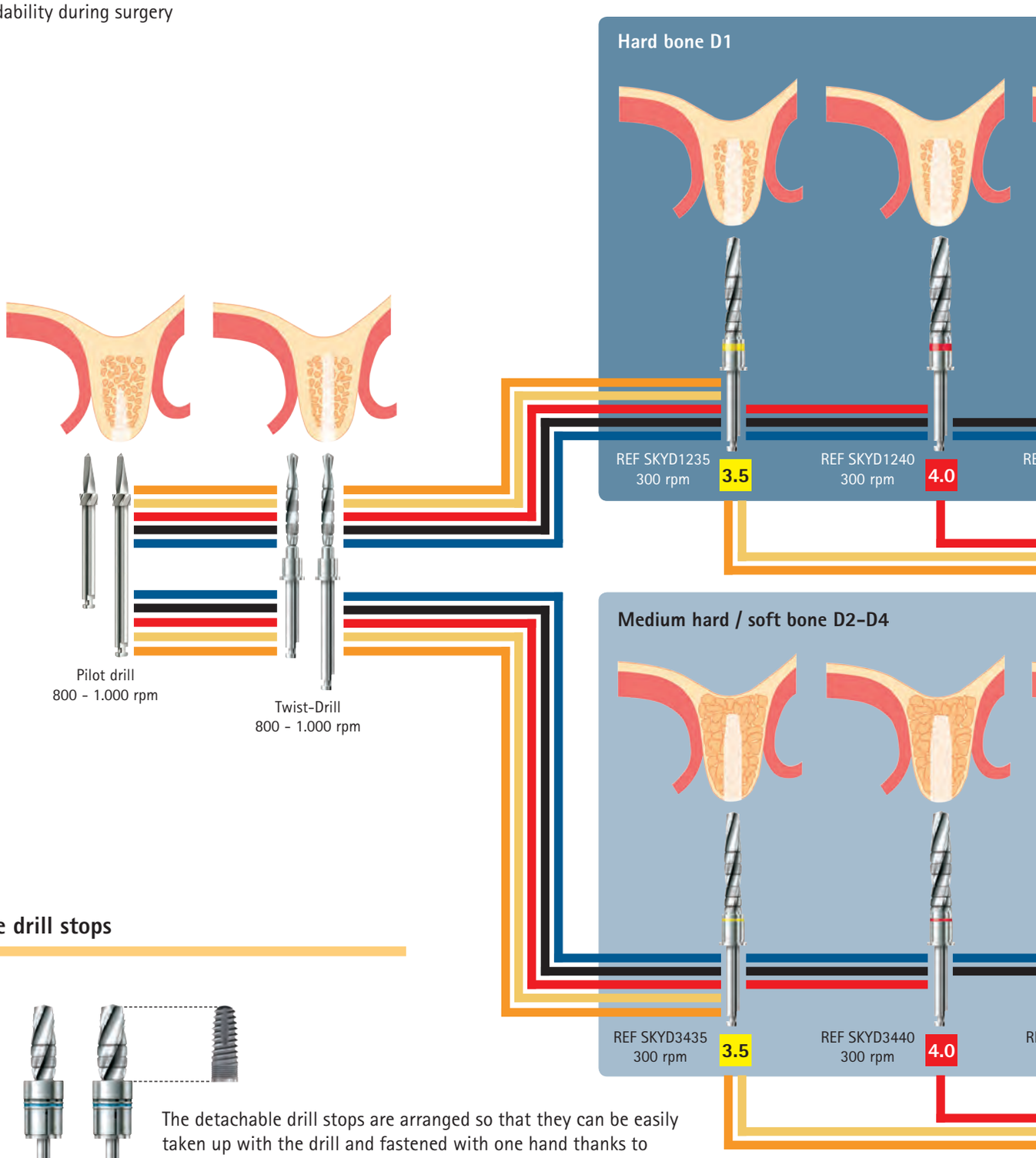
Atraumatic tapping thanks to reduced contact area

Apical compression thanks to increased contact area

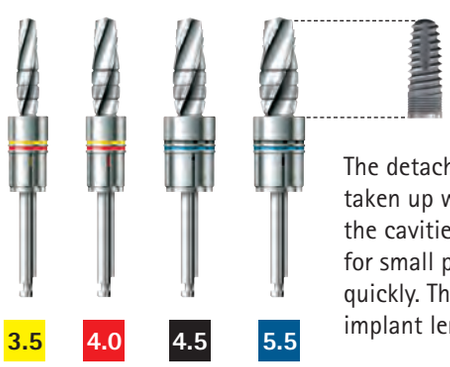
Consistently high primary stability

SKY Surgical protocol

- Optimised, 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



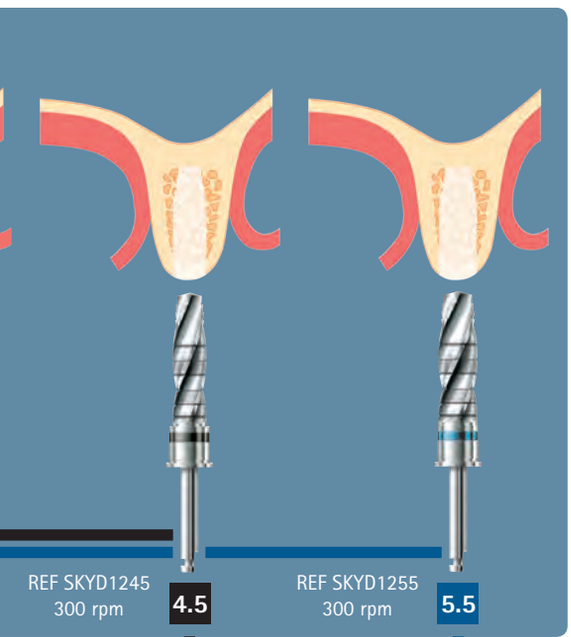
Detachable drill stops

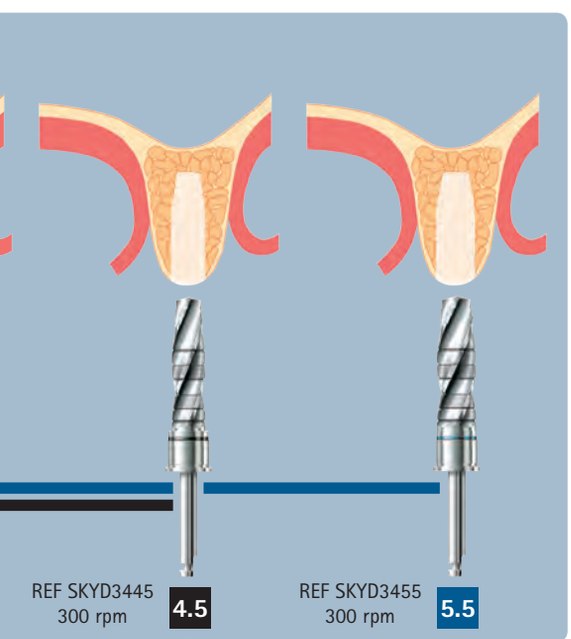


The detachable drill stops are arranged so that they can be easily taken up with the drill and fastened with one hand thanks to the cavities in the OP-Tray insert. The ruler on the compartment for small parts helps to select the correct drill stop easily and quickly. The drilling depth is approx. 0.7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

classic SKY

white SKY
IMPLANT SYSTEM

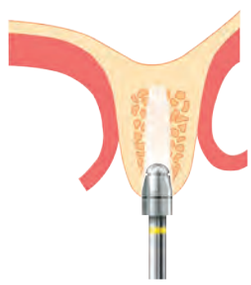


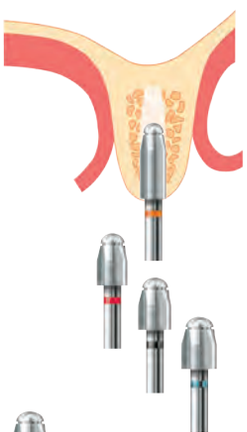


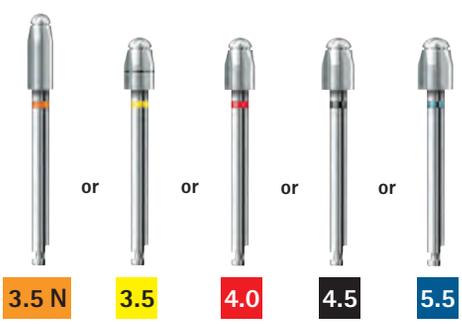
With the 3.5 diameter blueSKY and SKY classic implants, the crestal drill is only sunk up to the laser marking.

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

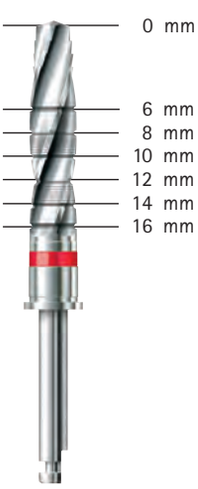
the crestal drill is completely inserted.





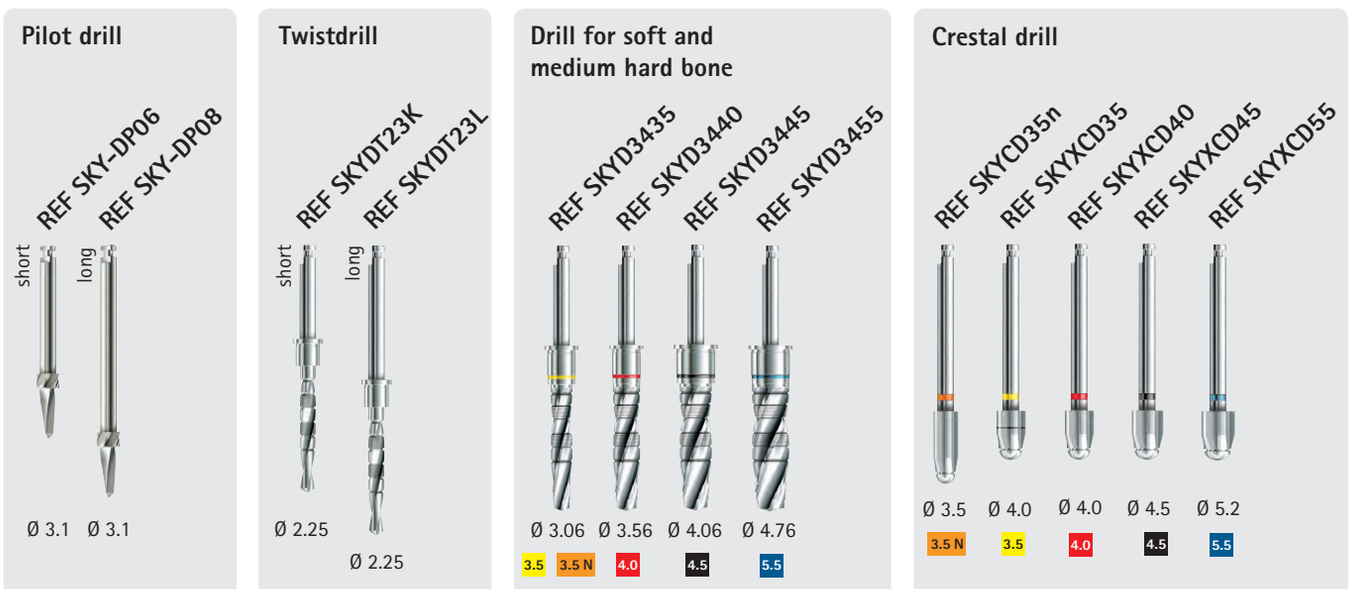


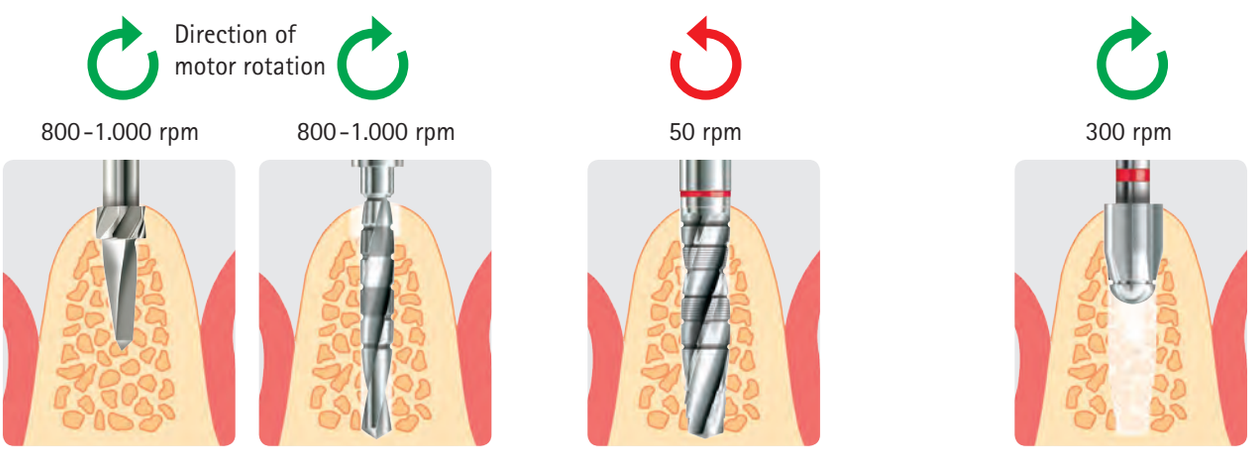
Crestal drill
300 rpm



SKY Surgical protocol

If it is determined during the pilot drilling or drilling with the twist drill that the bone is very soft, the primary stability can be improved by amending the clinical protocol. In these cases, we recommend using the final drill anticlockwise as a condensation instrument:





The pilot drill and twist drill are used as described in the SKY surgical protocol.

The final drill is used anticlockwise slowly with cooling. This way, the available bone is compressed and no bone particles are lost.

The crestal drill is used in accordance with the surgical protocol.

Guided implantology

The data for the SKY implant systems are recorded in the following planning programs: (As at: 31.12.2016).
The scope of the recorded components is dependent upon the relevant options in the planning program.

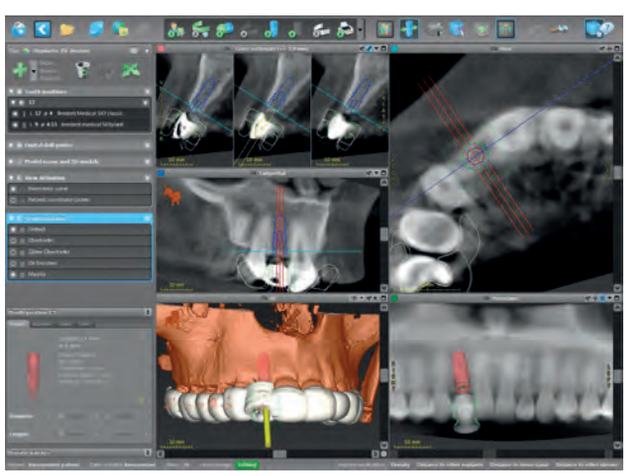
3Diagnosys	3DIEMME®
3Shape Implant Studio™	3Shape
Invivo	Anatomage
Carestream 3D Imaging	Carestream Dental
In2Guide™	Cybermed / KAVO
coDiagnostiX™	Dental Wings
Simplant®	Materialise Dental
i-Dixel	Morita
iRYS	myRay

If you do not find your program in the list, please contact us. so that we can make our data available to the manufacturer of your program for updating.

NemoScan	NEMOTEC
NNT	NewTom
Romexis®	PLANMECA
Implant-3D	Schütz
SICAT/Galileos Implant	SIRONA
SMOP	Swissmeda
Accu Guide	UniGuide Dental
Zfx Navigator	Zfx GmbH

coDiagnostiX™

bredent is a distribution partner of Dental Wings for the coDiagnostiX 3D implant planning software.



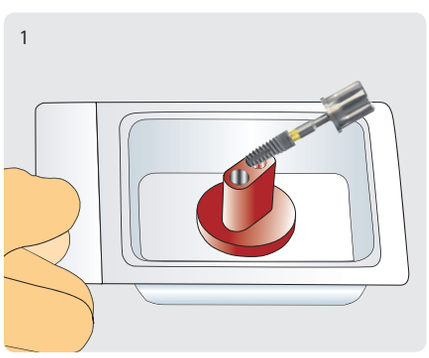
coDiagnostiX™ –
Client Version
REF SplanX120

coDiagnostiX™ –
Producer Version
REF SplanX100

SKY Surgical protocol

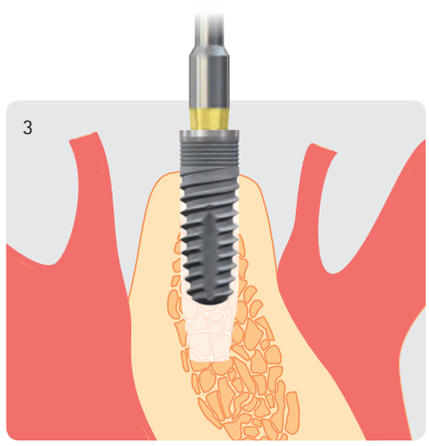
Removing and screwing in the implant and the cover screw without changing instruments.

- blueSKY, narrowSKY and SKY classic are packed as double sterile
- The implant support is colour-coded and marked with the length details
- The implant can be removed immediately after opening the sterile films using the SKY TK long or short insertion instrument and screwed in
- The cover screw is also removed using the same instrument

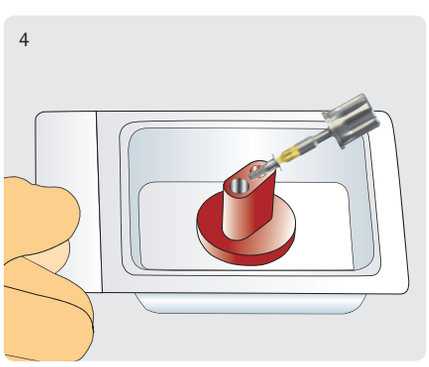


Open the new double sterile packaging. Remove the implant with the insertion instrument for the ratchet or the contra-angle.

The conical Torx® allows to hold the implant safely.

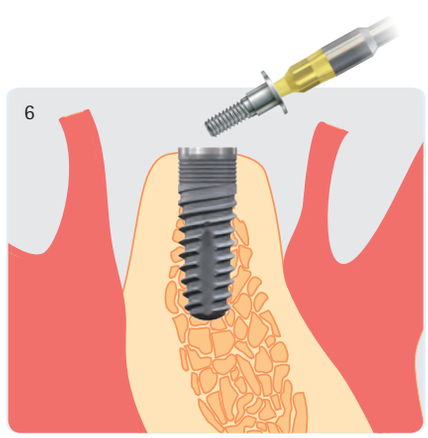


The implant is inserted and can be screwed in immediately.



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.

Guided implantology

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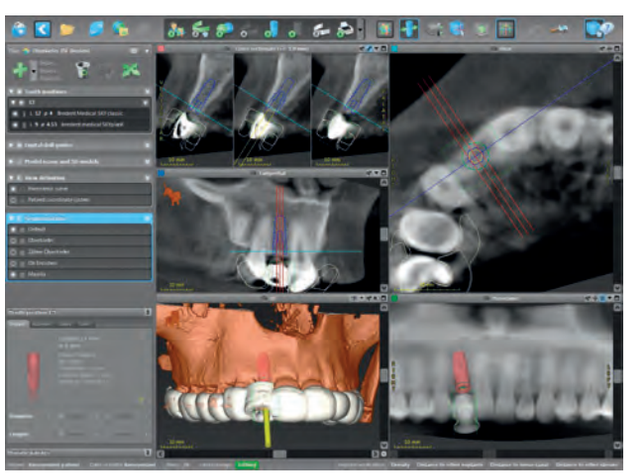
SimPlant	Materialise Dental
i-Dixel	Morita
iRYS	myRay

If you do not find your program in the list, please contact us. so that we can make our data available to the manufacturer of your program for updating.

NemoScan	Nemotec
NNT	NewTom
Romexis	Planmeca
Implant-3D	Schütz
SICAT/Galileos Implant	SIRONA
SMOP	Swissmeda
Accu Guide	UniGuide Dental
Zfx Navigator	Zfx GmbH

coDiagnostiX

bredent is a distribution partner of Dental Wings for the coDiagnostiX 3D implant planning software.

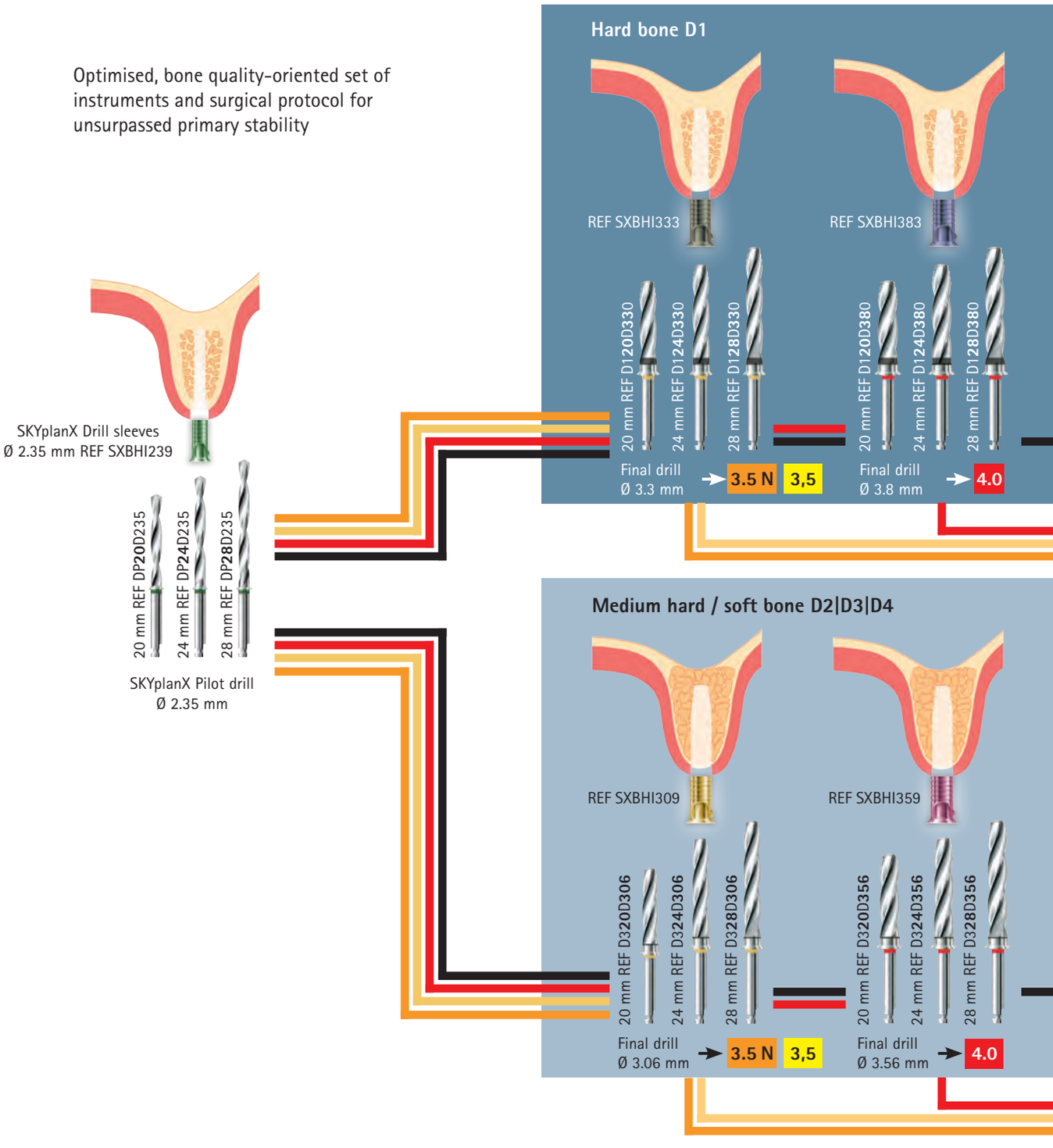


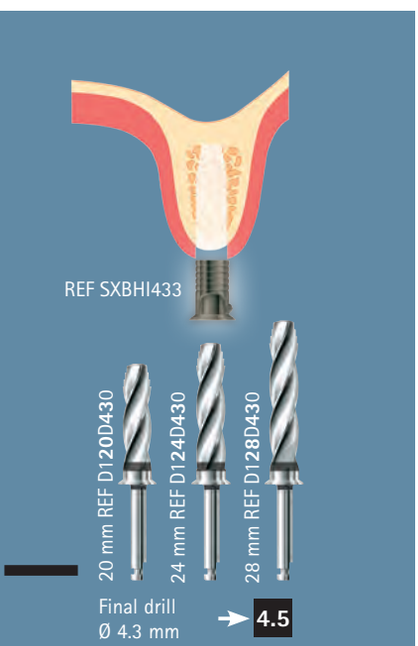
coDiagnostiX –
Client Version
REF SplanX120

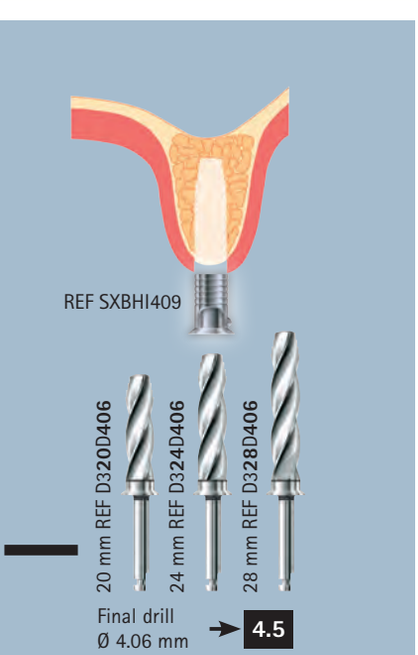
coDiagnostiX –
Producer Version
REF SplanX100

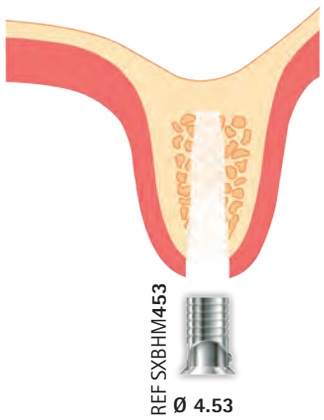
SKY surgical protocol – guided

Optimised, bone quality-oriented set of instruments and surgical protocol for unsurpassed primary stability



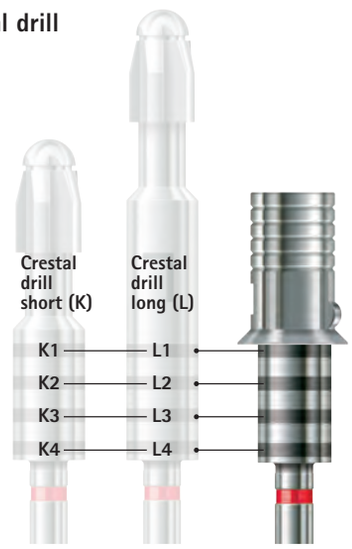






SKYplanX
Crestal drill

Crestal drill

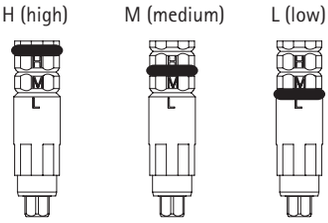


Drilling depth – Crestal drill

Drill length	Implant length L8	L10	L12	L14	L16
L20	K4	K3			
L24		L1	K4	K3	
L28				L1	K4

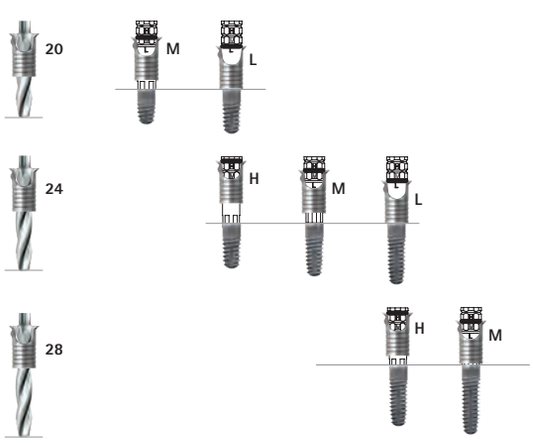
Insertion instruments

O-ring position H (high) M (medium) L (low)

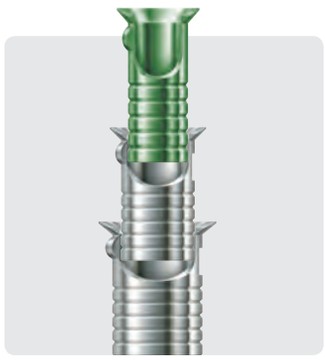


Implant length

8 mm 10 mm 12 mm 14 mm 16 mm



SKY surgical protocol – guided



Guiding sleeves

REF	SXBHM453	SXBHM555
Description	SKYplanX guiding sleeve 4.53	SKYplanX guiding sleeve 5.55
piece	1	1
Colour	silver	silver
Internal Ø / mm	4.53	5.55
External Ø / mm	5.5	6.5
Length / mm	10	10
Can be cut to size: to 6 mm	✔	✔
Material	Titanium	Titanium
Implant Ø	3.5/4.0	4.5
narrowSKY	✔	✔
blueSKY / SKY classic	✔	✔

Internal sleeves for twist drill

REF	SXBHI239
Description	Internal sleeve for pilot drill
piece	1
Colour	green
Internal Ø / mm	2.39
External Ø / mm	4.51
Length / mm	10
Can be cut to size: to 6 mm	✔
Material	Titanium
Guiding sleeve	SXBHM453
Implant Ø	3.5 / 4.0 / 4.5
narrowSKY	✔
blueSKY / SKY classic	✔

Sleeves for drills for medium/soft bone

REF	SXBHI309	SXBHI359	SXBHI409
Description	Internal sleeve Final drill 3.06	Internal sleeve Final drill 3.56	Internal sleeve Final drill 4.06
piece	1	1	1
Colour	yellow	pink	grey
Internal Ø / mm	3.09	3.59	4.09
External Ø / mm	4.51	4.51	4.52
Length / mm	10	10	10
Can be cut to size: to 6 mm	✔	✔	✔
Material	Titanium	Titanium	Titanium
Guiding sleeve	SXBHM453	SXBHM453	SXBHM555
Implant Ø	3.5	4.0	4.5
narrowSKY	✔		
blueSKY / SKY classic	✔	✔	✔

Sleeves for drills for hard bone

REF	SXBHI333	SXBHI383	SXBHI433
Description	Internal sleeve Final drill 3.30	Internal sleeve Final drill 3.80	Internal sleeve Final drill 4.30
piece	1	1	1
Colour	gold	blue	brown
Internal Ø / mm	3.33	3.83	4.33
External Ø / mm	4.51	4.51	4.52
Length / mm	10	10	10
Can be cut to size: to 6 mm	✔	✔	✔
Material	Titanium	Titanium	Titanium
Guiding sleeve	SXBHM453	SXBHM453	SXBHM555
Implant Ø	3.5	4.0	4.5
narrowSKY	✔		
blueSKY / SKY classic	✔	✔	✔

SKYplanX selection box

REF SXBHSET1

6 x SXBHM453	Guiding sleeve
3 x SXBHM555	Guiding sleeve, large
3 x SXBHI239	Sleeve for pilot drill
3 x SXBHI309	Internal sleeve for final drill 3.06
3 x SXBHI333	Internal sleeve for final drill 3.30
3 x SXBHI359	Internal sleeve for final drill 3.56
3 x SXBHI383	Internal sleeve for final drill 3.80
3 x SXBHI409	Internal sleeve for final drill 4.06
3 x SXBHI433	Internal sleeve for final drill 4.30

SKYplanX
Short tool for drill sleeves
1 piece
REF SplanX45

SKY surgical protocol – guided

SKYplanX OP tray
REF SplanX91

SKYplanX pilot drill

Ø	Length mm	REF
2,35 mm	20	DP20D235
2,35 mm	24	DP24D235
2,35 mm	28	DP28D235

3.5 N

SKYplanX final drill for hard bone

Ø	Length mm	REF
3.30 mm 3.5 3.5 N	20	D120D330
3.80 mm 4.0	20	D120D380
4.30 mm 4.5	20	D120D430
3.30 mm 3.5	24	D124D330
3.80 mm 4.0	24	D124D380
4.30 mm 4.5	24	D124D430
3.30 mm 3.5	28	D128D330
3.80 mm 4.0	28	D128D380
4.30 mm 4.5	28	D128D430

SKYplanX final drill for medium and soft bone

Ø	Length mm	REF
3.06 mm 3.5 3.5 N	20	D320D306
3.56 mm 4.0	20	D320D356
4.06 mm 4.5	20	D320D406
3.06 mm 3.5	24	D324D306
3.56 mm 4.0	24	D324D356
4.06 mm 4.5	24	D324D406
3.06 mm 3.5	28	D328D306
3.56 mm 4.0	28	D328D356
4.06 mm 4.5	28	D328D406

Crestal drill

Ø	Length mm	REF
3.6 mm 3.5 N	20	DCN35L20
4.1 mm 3.5	20	DCR35L20
4.6 mm 4.0	20	DCR40L20
5.2 mm 4.5	20	DCR45L20
3.6 mm 3.5 N	28	DCN35L28
4.1 mm 3.5	28	DCR35L28
4.6 mm 4.0	28	DCR40L28
5.2 mm 4.5	28	DCR45L28

SKY mounting set for guided implantology
REF SKYSMSET

The insertion instrument is screwed in for a secure and precise connection with the implant.
The flexible O ring yields a little when it reaches the drill sleeve shoulder and therefore counteracts damage to the implant bed in the event that the implant is screwed in further.

Contents:
1 x SKY mounter, extra short
1 x SKYplanX insertion instrument for guiding sleeve 4.53
1 x SKYplanX insertion instrument for guiding sleeve 5.55

SKY prosthetics

- Implant and abutment platforms
- Implant connections
- Prosthetics overview
- Classic implantology
  - Implant analogue
  - SKY esthetic line
  - SKY esthetic gingiva former
  - SKY impression abutments
  - SKY esthetic line temporary abutments
  - SKY esthetic line titanium abutments
  - SKY standard line titanium abutments
  - SKY castable abutment
- CAD/CAM-manufactured restorations
  - SKY uni.fit scan abutments
  - SKY uni.fit titanium base
  - SKY prefab titanium
  - SKY uni.fit titanium base for CEREC
- Immediate and late restoration
  - SKY elegance overview
  - SKY elegance abutments
  - SKY elegance prefabs
  - SKY elegance titanium base
  - SKY fast & fixed – overview
  - SKY fast & fixed – components
  - SKY fast & fixed – accessories
- Prosthesis fixation
  - SKY TiSi-snap
  - SKY Locator®

Number of treatment steps – implant treatments

	Classic implantol-ogy	Immediate restoration		Implant insertion
		Temporary + permanent	Permanent	
Implant planning	X	X	X	X
Implant surgery	X	X	X	X
Implant control	X	X	X	X
Implant opening	X			X
Modelling	X	X		
Esthetic try-in	(X)			
Permanent restoration	X	X		

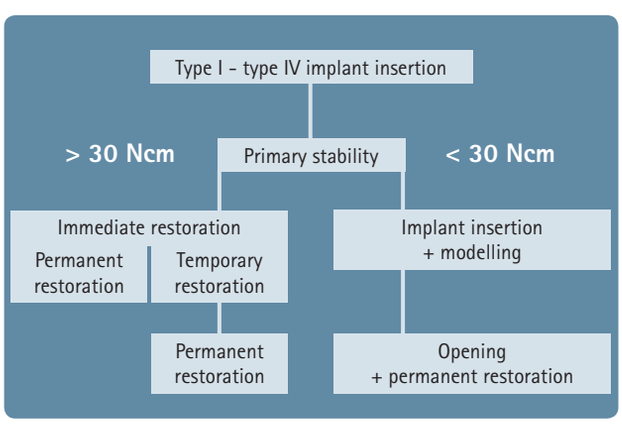
Surgical procedure

Implant is restored

Implant restoration is now an established treatment for tooth loss, however the conventional bridge on ground teeth is still the standard restoration.
The reason for this is:

- The higher cost of an implant restoration
- The longer treatment duration with several visits to the practice in the case of classic implantology
- Anxiety towards surgical procedures

By choosing the correct implant, it is possible to make optimal use of the local bone and therefore avoid surgical procedures. The treatment time can be shortened by using immediate restoration, so that the total treatment can be offered at a cheaper price, without having to reduce the treatment fee.



The deciding criteria as to whether immediate restoration is possible is the primary stability of the implants. If the primary stability is over 30 Ncm, immediate restoration should be carried out, as this stimulates the bone and promotes healing.
If the primary stability is under 30 Ncm, we recommend modelling the implant position during the operation and inserting the permanent restoration into the opening. This way, the treatment time is significantly shortened [1].

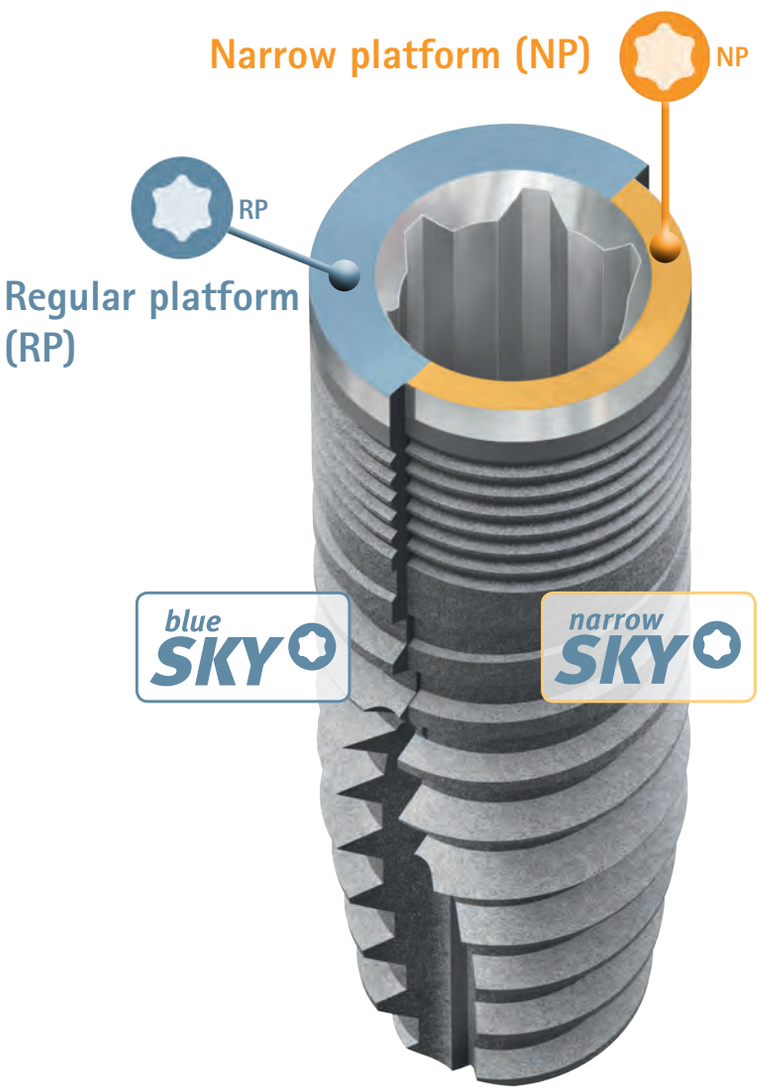
[1] *Literature:*
Deutsche Zahnärztliche Zeitschrift [The German Dental Journal] 2014; 69 (6)
F. Beuer et al.: The Munich Implant Concept (MIC): a combination of intraoral scannin device and digital fabriction.

Implant and abutment platforms

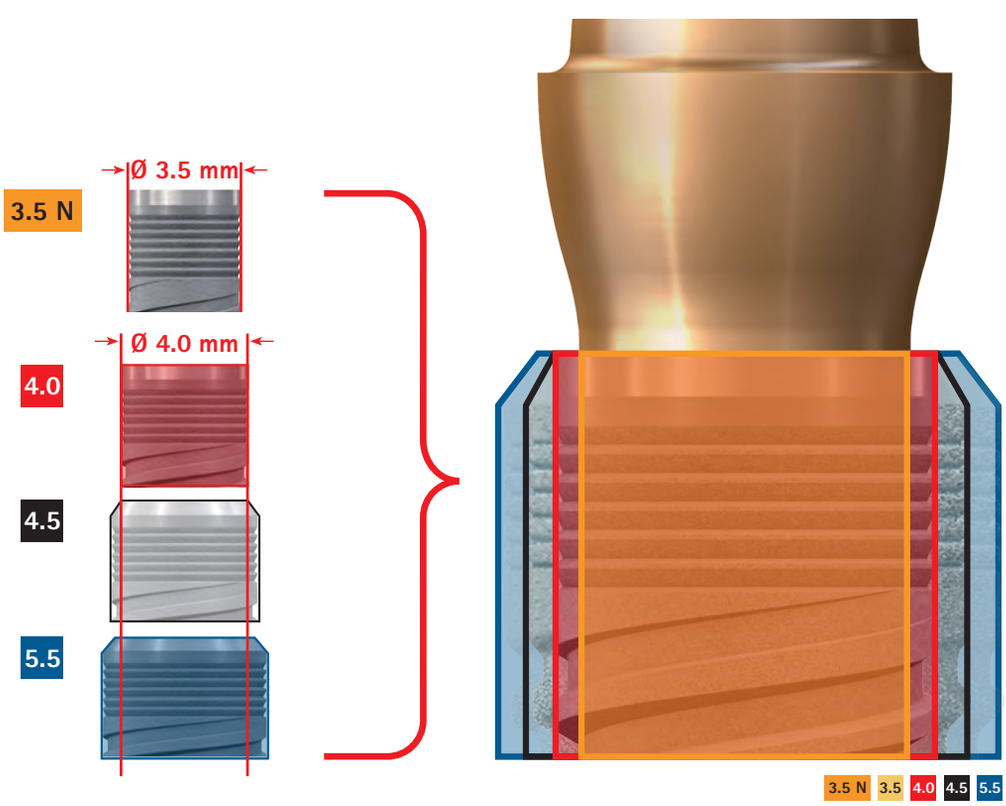
bredent medical SKY Implant system

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.

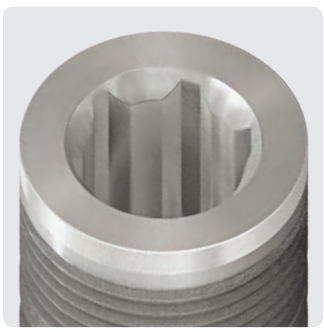
Low number of prefabricated components ⟷ **Custom solutions**



blueSKY and SKY classic
have a platform switch

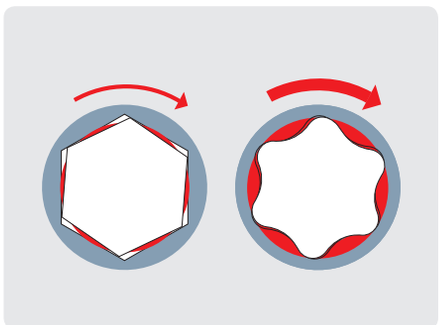


Implant connections



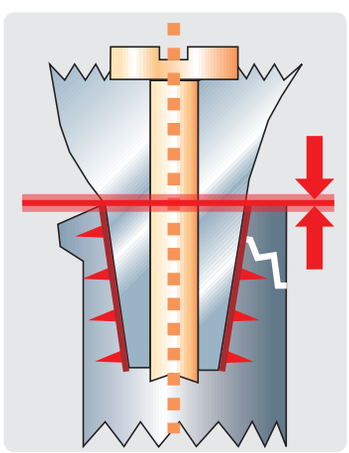
All SKY Implants have a Torx® connection.

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.



Torx®: has six large force transfer surfaces

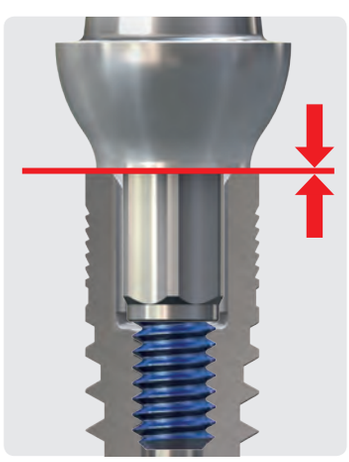
- significantly higher torques for the same force applied
- easier insertion of the implant
- no damage to the internal geometry at a high torque either



Connection with self-retaining cone

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

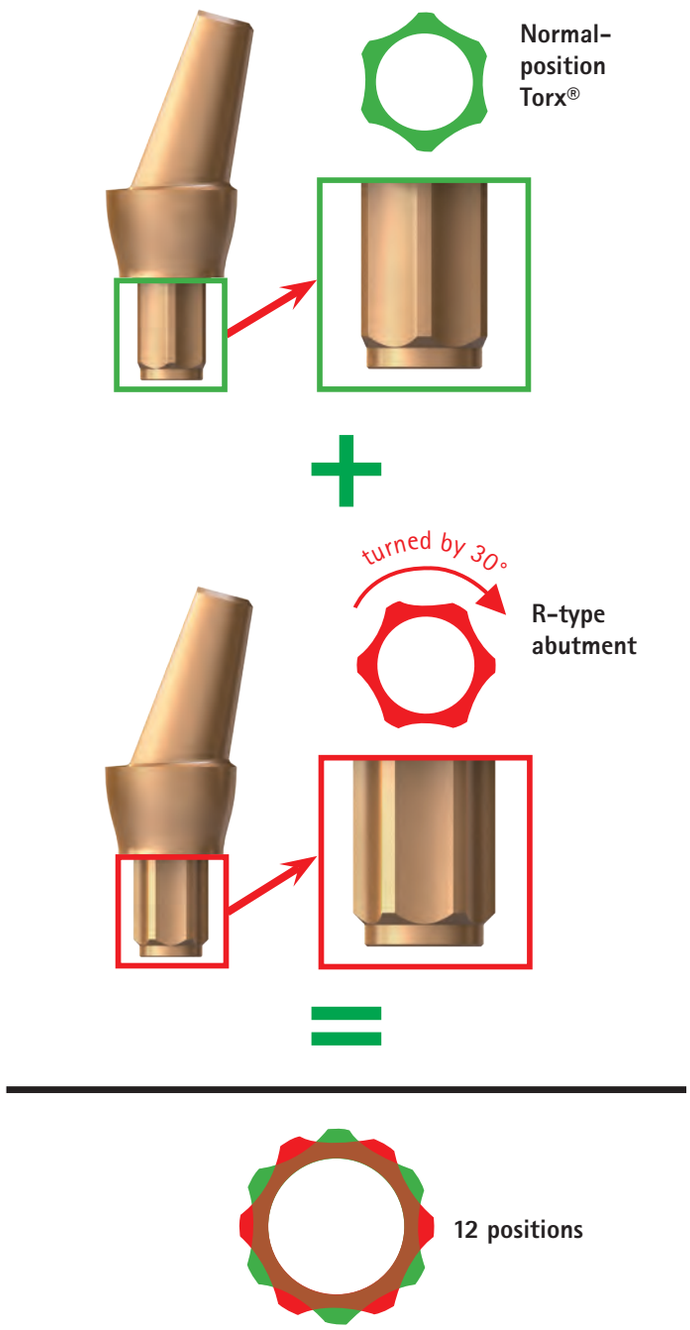
Conical connection
Flat connection



Flat connections (SKY System)

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

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 oriented to the best position in the laboratory after the operation.



Prosthetics overview

For narrowSKY approved prosthetic components
rose gold anodised

Prosthetic components not suitable or
not approved for narrowSKY

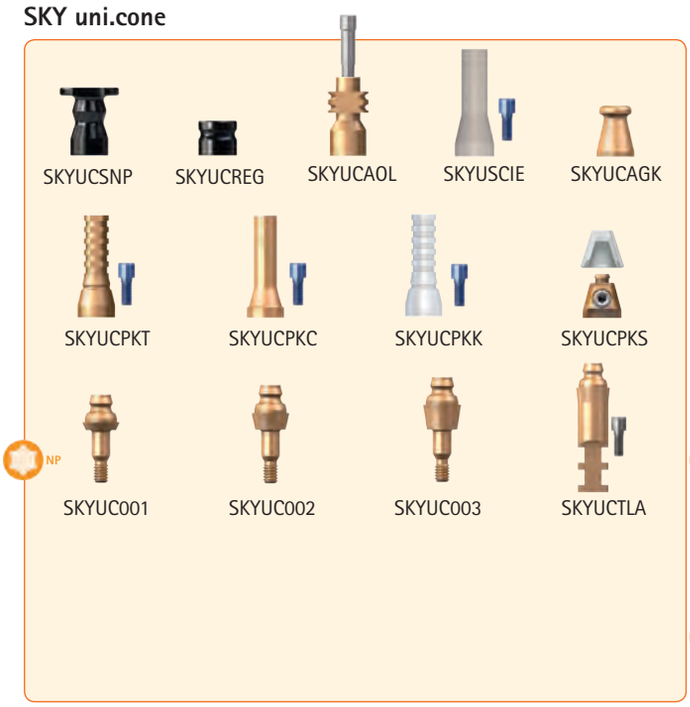
Immediate restoration

BioHPP SKY elegance
Immediate restoration

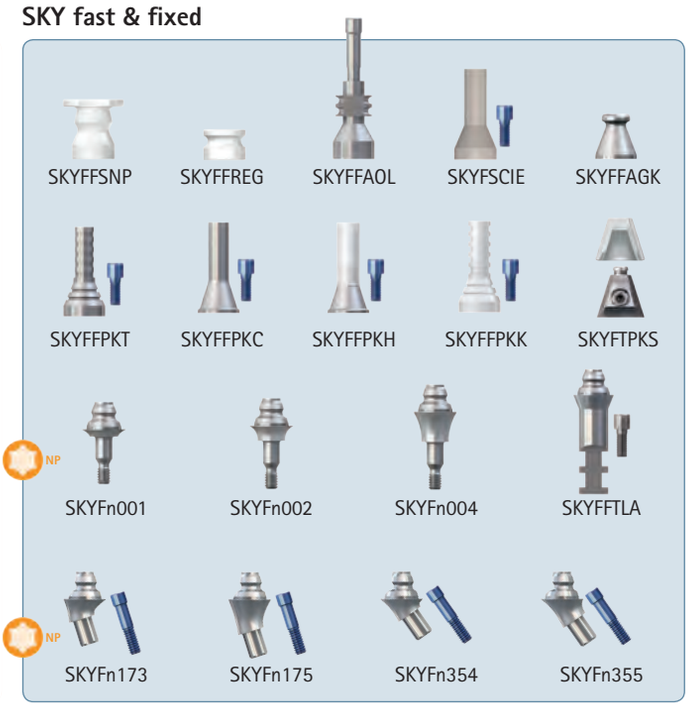
BioHPP SKY elegance
titanium base

BioHPP SKY elegance
prefab set

SKY uni.cone



SKY fast & fixed

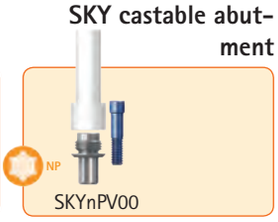


Individual solutions for CAD/CAM – conventional

SKY uni.fit CAD/CAM solutions / Custom abutments

SKY prefab titanuim

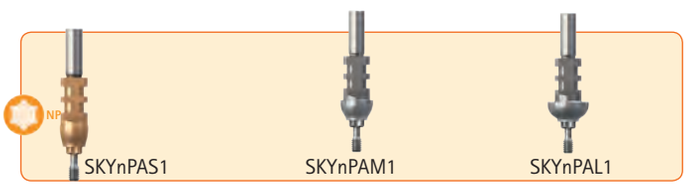
SKY castable abut-
ment



Implant analog

SKY temp

SKY impression abutments



SKY esthetic gingiva former

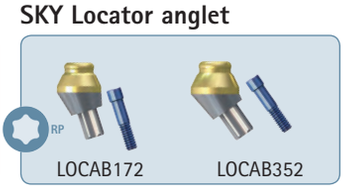
SKY esthetic abutments

SKY titanuim abutments

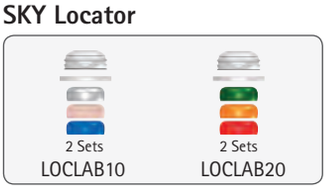
SKY prosthesis fixation

SKY Locator

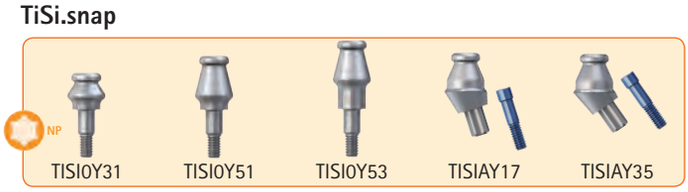
SKY Locator anglet



SKY Locator

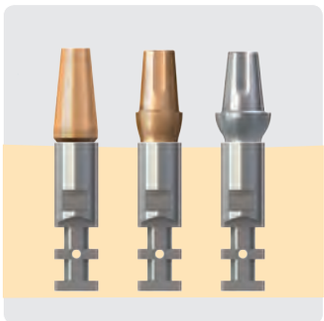


TiSi.snap



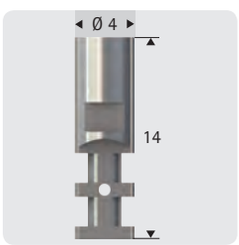
retention.sil

Implant analog



For pre-fabricated and custom solutions.

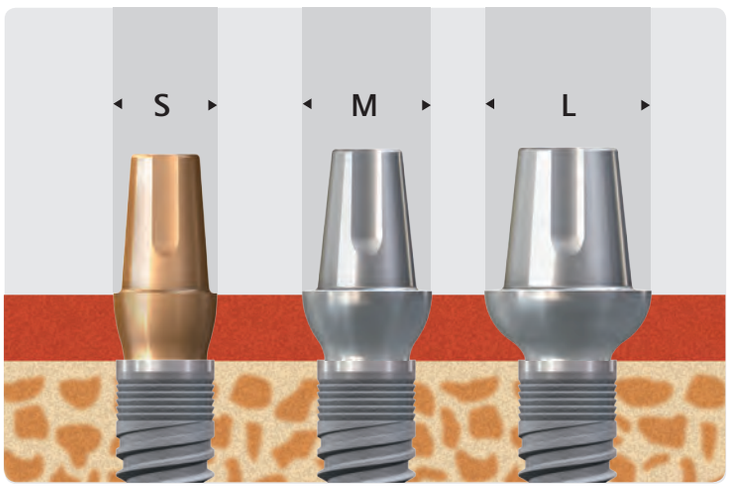
Just a single implant analog for all prosthetic restorations on implant level, independent of the implant platform. The implant analog is made of titanium to enable both the laboratory and the clinic/surgeon to use the same material.

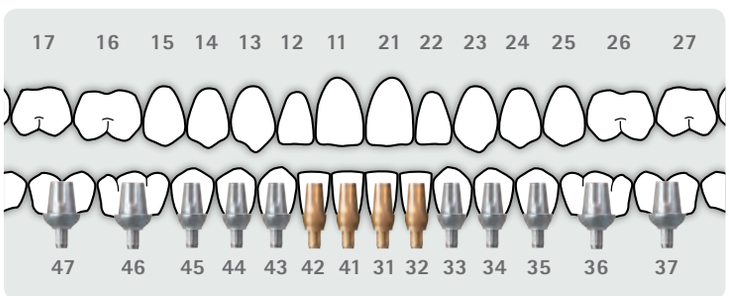


REF	**SKY-IA40**
Description	SKY implant analogue
piece	1
Height/mm	14
Shoulder Ø / mm	4
Material	Ti*
Laboratory screw	incl.
SKY prosthetic key	✔
Torque/Ncm	25
Platform	regular
narrowSKY	✔
blueSKY / SKY classic	✔

Ti*=
Grade 4 KV titanium

SKY esthetic line

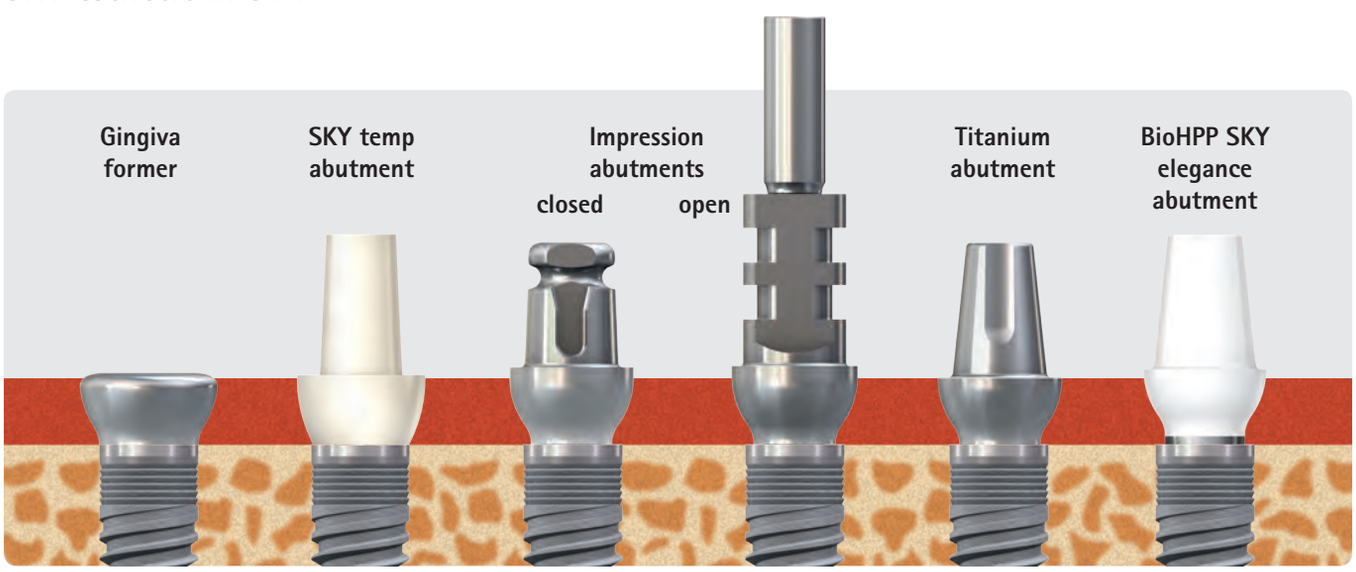




SKY esthetic line:

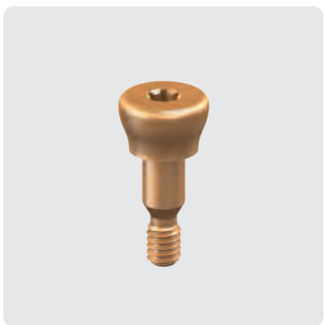
- Three diameters of the abutment shoulder:
  - S: 4.5 mm
  - M: 5.5 mm
  - L: 7.0 mm
- Narrow platform
  - Suitable for narrowSKY
  - Platform switch with blueSKY and SKY classic
- A concave and convex abutment shape in the gingival region ensures optimal attachment of the soft tissue
- Customisable axis compensation of up to 20°
- Particularly suitable for custom transverse screw fixation

SKY esthetic line M

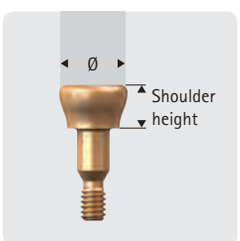


All components in the SKY esthetic line are matched to one another:
Corresponding concave and convex sulcus shape.
Also available for abutment shoulders with S and L diameters.

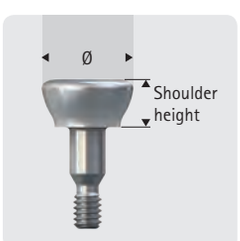
SKY esthetic gingiva former



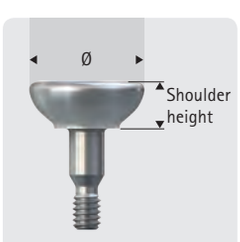
The SKY esthetic gingiva former gives the emergence profile the optimum shape for the subsequent use of the corresponding SKY esthetic abutments.



REF	SKYESG02	SKYESG03	SKYESG04	SKYESG06
Description	SKY aesthetic gingiva former S	SKY aesthetic gingiva former S	SKY aesthetic gingiva former S	SKY aesthetic gingiva former S
Shoulder height / mm	2	3	4	6
piece	1	1	1	1
Angulation	0°	0°	0°	0°
Shoulder Ø / mm	4.3	4.7	4.7	4.7
Material	Ti*	Ti*	Ti*	Ti*
SKY prosthetic key	✔	✔	✔	✔
Torque/Ncm	10	10	10	10
Platform	narrow	narrow	narrow	narrow
narrowSKY	✔	✔	✔	✔
blueSKY / SKY classic	✔	✔	✔	✔



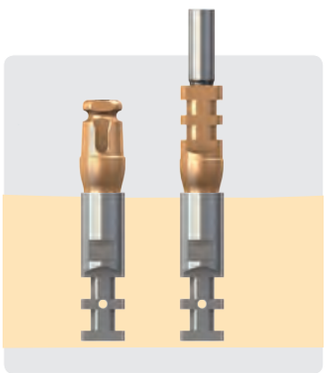
REF	SKYEMG02	SKYEMG03	SKYEMG04	SKYEMG06
Description	SKY aesthetic gingiva former M	SKY aesthetic gingiva former M	SKY aesthetic gingiva former M	SKY aesthetic gingiva former M
Shoulder height / mm	2	3	4	6
piece	1	1	1	1
Angulation	0°	0°	0°	0°
Shoulder Ø / mm	5.2	5.7	5.7	5.7
Material	Ti*	Ti*	Ti*	Ti*
SKY prosthetic key	✔	✔	✔	✔
Torque/Ncm	10	10	10	10
Platform	regular	regular	regular	regular
narrowSKY	-	-	-	-
blueSKY / SKY classic	✔	✔	✔	✔

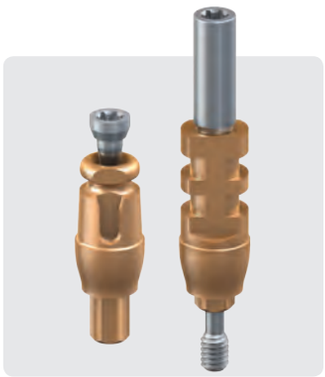


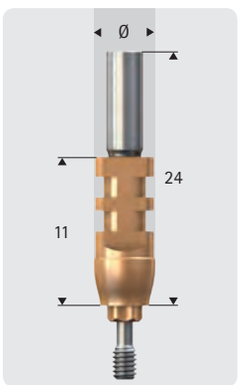
REF	SKYELG02	SKYELG03	SKYELG04
Description	SKY aesthetic gingiva former L	SKY aesthetic gingiva former L	SKY aesthetic gingiva former L
Shoulder height / mm	2	3	4
piece	1	1	1
Angulation	0°	0°	0°
Shoulder Ø / mm	6.5	6.8	7.2
Material	Ti*	Ti*	Ti*
SKY prosthetic key	✔	✔	✔
Torque/Ncm	10	10	10
Platform	regular	regular	regular
narrowSKY	-	-	-
blueSKY / SKY classic	✔	✔	✔

Ti*=
Grade 4 KV titanium

SKY impression abutments

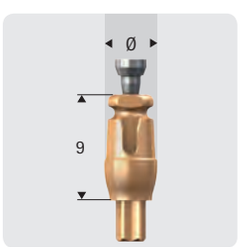






Open modelling

REF	**SKYnPAS1**	**SKYnPAM1**	**SKYnPAL1**
Description	SKY impression abutment S open tray	SKY impression abutment M open tray	SKY impression abutment L open tray
piece	1	1	1
Angulation	0°	0°	0°
Shoulder Ø / mm	4.5	5.5	7.0
Abutment height / mm	11	11	11
Height incl. screw / mm	24	24	24
Length of Torx®	1.2	1.2	1.2
Material	Ti*	Ti*	Ti*
Trapped screw	incl.	incl.	incl.
SKY prosthetic key	✔	✔	✔
Torque/Ncm	10	10	10
Platform	narrow	narrow	narrow
narrowSKY	✔	✔	✔
blueSKY / SKY classic	✔	✔	✔



Closed modelling

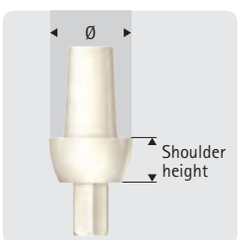
REF	**SKYnPAS2**	**SKYnPAM2**	**SKYnPAL2**
Description	SKY impression abutment S closed tray	SKY impression abutment M closed tray	SKY impression abutment L closed tray
piece	1	1	1
Angulation	0°	0°	0°
Shoulder Ø / mm	4.5	5.5	7.0
Abutment height / mm	9	9	9
Length of Torx®	3.5	3.5	3.5
Material	Ti*	Ti*	Ti*
Trapped screw	incl.	incl.	incl.
SKY prosthetic key	✔	✔	✔
Torque/Ncm	10	10	10
Platform	narrow	narrow	narrow
narrowSKY	✔	✔	✔
blueSKY / SKY classic	✔	✔	✔

Ti*=
Grade 4 KV titanium

SKY esthetic line temporary abutments

SKY temp is a purely plastic abutment and is therefore suitable for temporary restoration for a maximum of 6 months. There is a risk of loosening of the screws if it is used for longer periods.

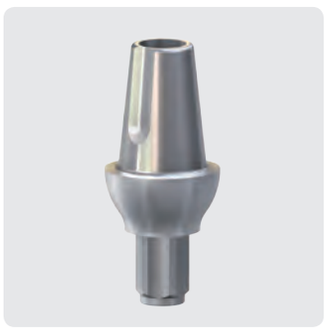
SKY temp as a custom gingiva former
The shortened and customised SKY temp can also be quickly adapted into a custom gingiva former, either chairside or in the laboratory.



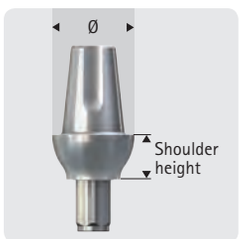


REF	**SKYTEMPS**	**SKYTEMPM**	**SKYTEMPL**
Description	SKY temp abutment S	SKY temp abutment M	SKY temp abutment L
piece	1	1	1
Angulation	0°	0°	0°
Shoulder Ø / mm	4.1	5.5	7.0
Shoulder height / mm	2.0	3.0	3.75
Material	POM	POM	POM
2.2 screw	incl.	incl.	incl.
SKY prosthetic key	✔	✔	✔
Torque/Ncm	18	18	18
Platform	regular	regular	regular
narrowSKY	-	-	-
blueSKY / SKY classic	✔	✔	✔

SKY esthetic line titanium abutments



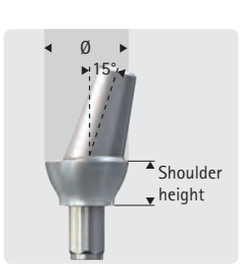
The concave and convex shape of the SKY esthetic abutments allows the dental technician to customise them to a large extent, and gives the gingiva a lot of space for attachment.





REF	**SKYnES00**	**SKY-EM00**	**SKY-EL00**
Description	SKY esthetic abutment S 0°	SKY esthetic abutment M 0°	SKY esthetic abutment L 0
piece	1	1	1
Angulation	0°	0°	0°
Torx® alignment	Standard	Standard	Standard
Shoulder Ø / mm	4.5	5.5	7.0
Shoulder height / mm	3.0	3.0	3.0
Material	Ti*	Ti*	Ti*
2.2 screw	incl.	incl.	incl.
SKY prosthetic key	✔	✔	✔
Torque/Ncm	25	25	25
Platform	narrow	narrow	narrow
narrowSKY	✔	-	-
blueSKY / SKY classic	✔	✔	✔

Ti*=
Grade 4 KV titanium





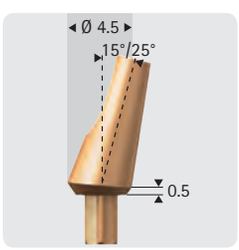
REF	**SKYnES15**	**SKYnES16**	**SKY-EM15**	**SKY-EM16**
Description	SKY esthetic abutment S 15°	SKY esthetic abutment S 15° R	SKY esthetic abutment M 15°	SKY esthetic abutment M 15° R
piece	1	1	1	1
Angulation	15°	15°	15°	15°
Torx® alignment	Standard	R = turned by 30°	Standard	R = turned by 30°
Shoulder Ø / mm	4.5	4.5	5.5	5.5
Shoulder height / mm	3.0	3.0	3.0	3.0
Material	Ti*	Ti*	Ti*	Ti*
SKY prosthetic key	✔	✔	✔	✔
Torque/Ncm	25	25	25	25
Platform	narrow	narrow	narrow	narrow
narrowSKY	✔	✔	-	-
blueSKY / SKY classic	✔	✔	✔	✔

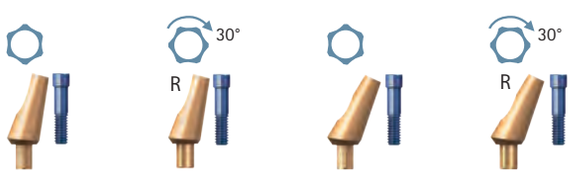
SKY standard line titanium abutments

The SKY standard line that has proven itself for years for cost-effective prosthetics, now new with narrow platform.
- You can now also restore using narrowSKY
- blueSKY and SKY classic now have a platform switch

REF	**SKYnPO00**
Description	SKY titanium abutment NP 0°
piece	1
Angulation	0°
Torx® alignment	Standard
Shoulder Ø / mm	4.5
Shoulder height / mm	1.4
Material	Ti*
2.2 screw	incl.
SKY prosthetic key	✔
Torque/Ncm	25
Platform	narrow
narrowSKY	✔
blueSKY / SKY classic	✔

Ti*=
Grade 4 KV titanium



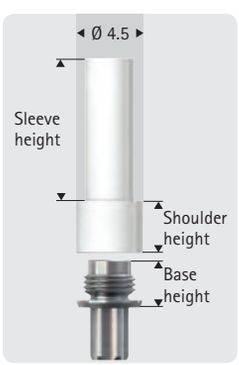


REF	**SKYnPO15**	**SKYnPO16**	**SKYnPO25**	**SKYnPO26**
Description	SKY titanium abutment NP 15°	SKY titanium abutment NP 15°	SKY titanium abutment NP 25°	SKY titanium abutment NP 25° R
piece	1	1	1	1
Angulation	15°	15°	25°	25°
Torx® alignment	Standard	R = turned by 30°	Standard	R = turned by 30°
Shoulder Ø / mm	4.5	4.5	4.5	4.5
Shoulder height / mm	0.5	0.5	0.5	0.5
Material	Ti*	Ti*	Ti*	Ti*
2.2 screw	incl.	incl.	incl.	incl.
SKY prosthetic key	✔	✔	✔	✔
Torque/Ncm	25	25	25	25
Platform	narrow	narrow	narrow	narrow
narrowSKY	✔	✔	✔	✔
blueSKY / SKY classic	✔	✔	✔	✔

SKY abutment cast-on

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

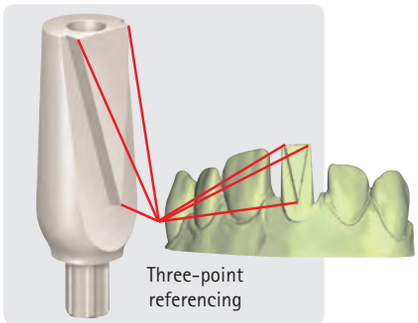
This is held securely by screwing the sleeve onto the metal base, so as to facilitate quick and reliable modelling of the custom abutment. The burn-out plastic sleeve is provided already mounted.



REF	**SKYnPV00**
Description	SKY abutment cast-on
piece	1
Angulation	0°
Shoulder Ø / mm	4.5
Shoulder height / mm	3.5
Sleeve height / mm	9.5
Sleeve material	PMMA
Base height	2.7
Base material	Au 60%, Pd 20%, Pt 19%, Ir 1%
Melting range	1400 - 1490°C
CTE	11.9 - 12.2 $10^{-6}K^{-1}$
Weight	0.63 g
2.2 screw	incl.
SKY prosthetic key	✔
Torque/Ncm	25
Platform	narrow
narrowSKY	✔
blueSKY / SKY classic	✔

SKY prosthetics

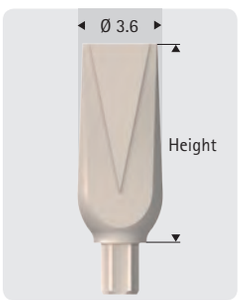
SKY uni.fit Scan abutments



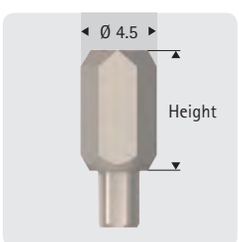
Scan abutments
The position and orientation of the implant is transferred to the virtual model using a three-point reference system.

All SKY uni.fit components are recorded in the CAD programs:
- exoCAD
- 3shape
- Dental Wings

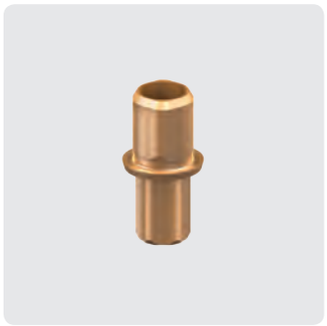
Download: www.caelo-dental.net



REF	SKYUSCAE	SKYUSCAI
Description	SKY uni.fit scan abutment Extraoral	SKY uni.fit scan abutment Intraoral
piece	1	1
Angulation	0°	0°
Shoulder Ø / mm	3.6	3.6
Height/mm	13.5	7.5
Material	PEEK	PEEK
2.2 screw	incl.	incl.
SKY prosthetic key	✔	✔
Torque/Ncm	10	10
Platform	narrow	narrow
narrowSKY	✔	✔
blueSKY / SKY classic	✔	✔
CAD library for: (www.caelo-dental.net)	exoCAD 3shap Dental Wings	exoCAD 3shap Dental Wings

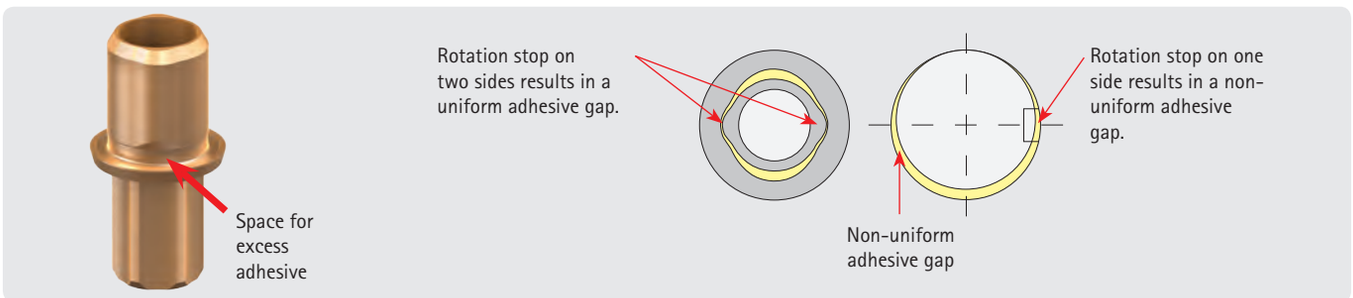


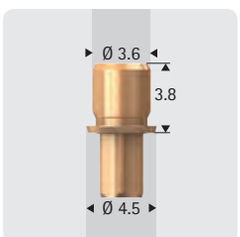
SKY uni.fit CAD abutment

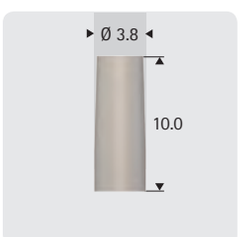


The geometry of the SKY uni.fit CAD abutments is such that the custom ceramic structure can be milled to create a perfect fit.

The space for excess adhesive facilitates bonding.







REF	SKYUFCAD	UFCADMOD
Description	SKY uni.fit CAD abutment	Modelling cap
piece	1	10
Angulation	0°	0°
Shoulder Ø / mm	3.6/4.5	3.8
Height/mm	3.8	10
Material	Ti*	PMMA
2.2 screw	incl.	excl.
SKY prosthetic key	✔	✔
Torque/Ncm	25	10
Platform	narrow	narrow
narrowSKY	✔	✔
blueSKY / SKY classic	✔	✔
CAD library for: (www.caelo-dental.net)	exoCAD 3shap Dental Wings	-

Ti*=
Grade 4 KV titanium

SKY prefab titanium

Information for processing:

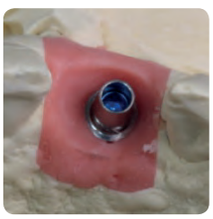
- SKY prefab titanium is recorded in the following CAD libraries:
  - 3shape
  - Dental Wings
  - exoCAD
  Download at: www.caelo-dental.com
- The SKY prefab titanium is held in the Medentika holder
- If the SKY prefab cannot be controlled by the CAM, the Medentika workflow is then used.
  - Scanning the implant position with the Medentika scan abutment
  - Clamping the SKY prefabs titanium in the R position

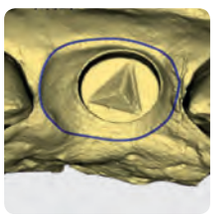
REF	**SKYPFTST**
Description	SKY prefab titanium
piece	1
Angulation	0°
Ø / mm	11.5
Height/mm	20
Material	Ti*
2.2 screw	incl. in the original packaging
SKY prosthetic key	✔
Torque/Ncm	25
Platform	narrow
narrowSKY	✔
blueSKY / SKY classic	✔
Connector geometry	Medentika holder

Ti*=
Grade 4 KV titanium

BioHPP prefab
see page 50

SKY uni.fit titanium base for CEREC®

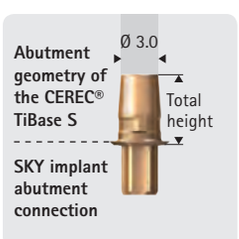




The SKY uni.fit titanium base for CEREC® combines the SKY Implant abutment connection with the abutment geometry of the CEREC® TiBase S. It is therefore possible to produce custom abutments for restoration with SKY Implants using the CEREC® system.

The 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, 36 Stück **REF 6431329**
  - Scan bodies for Omnicam® S, ,36 Stück **REF 6431303**
- 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.



REF	SKYUFCTB	SKYUFCSB
Description	SKY uni.fit titanium base for CEREC®	SKY uni.fit scan base for CEREC®
piece	1	1
Angulation	0°	0°
Ø / mm	3.0	3.0
Total height / mm	4.7	10.2
Gingiva height / mm	0.5	5.5
Material	Ti*	Ti*
2.2 screw	incl.	incl.
SKY prosthetic key	✔	✔
Torque/Ncm	10	10
Platform	narrow	narrow
narrowSKY	✔	✔
blueSKY / SKY classic	✔	✔

Ti*=
Grade 4 KV titanium

SKY prosthetics

SKY elegance overview

The BioHPP SKY elegance abutments are a new type of abutment that combine the properties of a temporary and a permanent abutment.

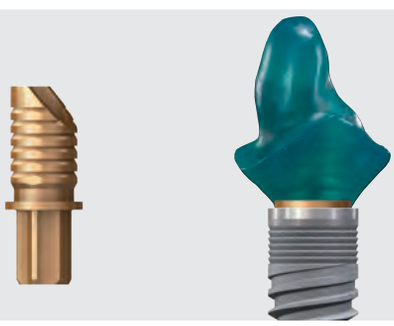
- The elasticity of the BioHPP body protects the implant during healing
- The seat of the screw made in titanium ensures long-term, stable connection of the abutment to the implant

They are therefore ideal for one-time treatment without changing the abutment in immediate restoration. These abutments can of course also be used in late restoration. The implant is protected against overloading in the long-term by the elasticity.

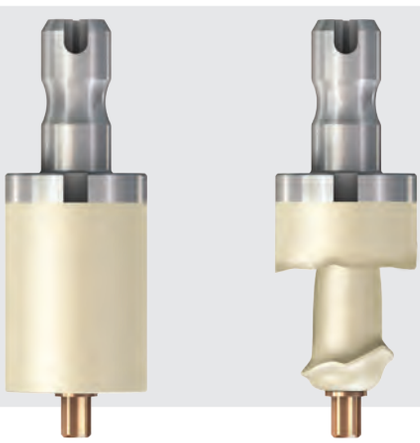
Pre-fabricated abutments

Pre-fabricated abutments
The pre-fabricated BioHPP SKY elegance abutments are universal abutments in the shape of the SKY esthetic line and can be used both with CAD/CAM-manufactured crowns and bridges, e.g. CEREC, as well as conventionally-manufactured crowns and bridges.

Individual abutments

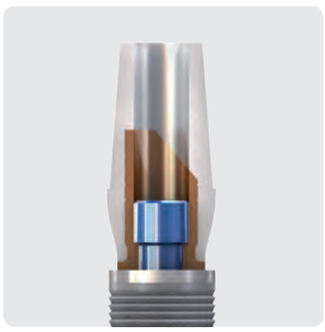


Laboratory-manufactured individual abutments
Any laboratory is able to manufacture an individual abutment on the BioHPP SKY elegance titanium base using the for2press device.



CAD/CAM-manufactured individual abutments
With suitable CAD/CAM systems, an individual abutment can be manufactured using the BioHPP SKY elegance prefab. The titanium base is injected already gap-free in the pre-fab.

SKY elegance abutments



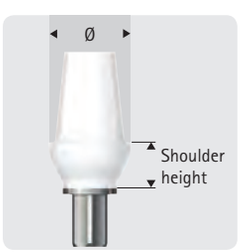
For intraoral processing, we recommend Komet:

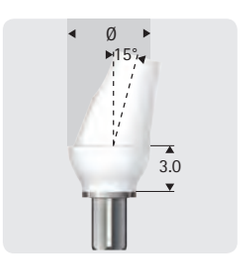
REF H 379 Q 314 023

REF H 375 RQ 314 016

The BioHPP SKY elegance abutments are hybrid abutments in which the abutment body amade 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.

For extraoral processing, we recommend the bredent cutter set SKY elegance REF 580ELEM8

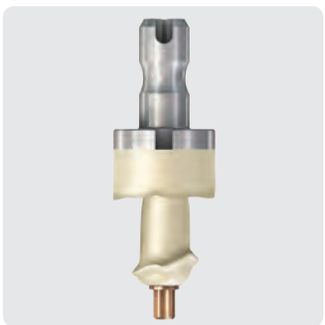




REF	**SKYEES00**	**SKYEES15**	**SKYEEM00**	**SKYEEM15**	**SKYEEL00**
Description	BioHPP SKY elegance abutment S 0°	BioHPP SKY elegance abutment S 15°	BioHPP SKY elegance abutment S 15°	BioHPP SKY elegance abutment M 15°	BioHPP SKY elegance abutment L 0°
piece	1	1	1	1	1
Angulation	0°	15°	0°	15°	0°
Shoulder Ø / mm	4.5	4.5	5.5	5.5	7.0
Shoulder height / mm	3.4	3.4	3.4	3.3	3.4
Body material	BioHPP	BioHPP	BioHPP	BioHPP	BioHPP
Base material	Ti*	Ti*	Ti*	Ti*	Ti*
2.2 screw	incl.	incl.	incl.	incl.	incl.
SKY prosthetic key	✔	✔	✔	✔	✔
Torque/Ncm	25	25	25	25	25
Platform	narrow	narrow	narrow	narrow	narrow
narrowSKY	✔	✔	-	-	-
blueSKY / SKY classic	✔	✔	✔	✔	✔

Ti*=
Grade 4 KV titanium

BioHPP SKY elegance prefab

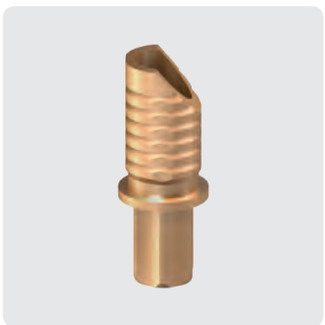


With the BioHPP SKY elegance prefab, the abutment body made of BioHPP is pressed onto the BioHPP SKY elegance titanium base without a gap and forms a perfect mechanical connection. The required tooth shape for the custom abutment is designed in CAD software and the corresponding data set is passed on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

For CAD/CAM production

REF	**SKYEPFST**
Description	BioHPP SKY elegance prefab
piece	1
Angulation	0°
Ø / mm	12.0
Height / mm	18.5
Connection	Sirona® Standard
Base material	Aluminum
Material construction	BioHPP
Color construction	dentin-shade
X-ray opaque	✔
Screw2,2	incl. Original packaging
SKY prosthetic key	✔
Torque / Ncm	25
Platform	narrow
narrowSKY	✔
blueSKY / SKY classic	✔

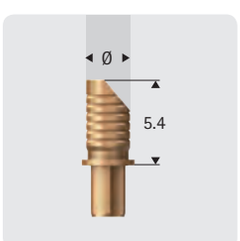
BioHPP SKY elegance titanium base



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.

For individual abutments or crown abutments in the region of the side teeth, the reinforced BioHPP SKY elegance titanium base ML is used.

Konventionelle Fertigung



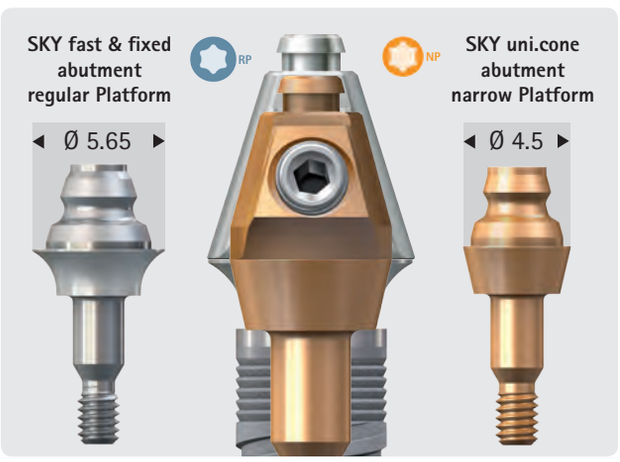
REF	**SKYETB00**	**SKYETBML**
Description	BioHPP SKY elegance titanium base	BioHPP SKY elegance titanium base ML
piece	1	1
Indication	Front tooth area	Range of teeth
Angulation	0°	0°
Ø / mm	3.1	3.5
Hight / mm	5.4	5.4
Material	Ti*	Ti*
Screw 2.2	incl.	incl.
SKY prosthetic key	✔	✔
Torque / Ncm	25	25
Platform	narrow	narrow
narrowSKY	✔	
blueSKY / SKY classic	✔	✔

Ti*=
Grade 4 KV titanium

SKY fast & fixed – overview

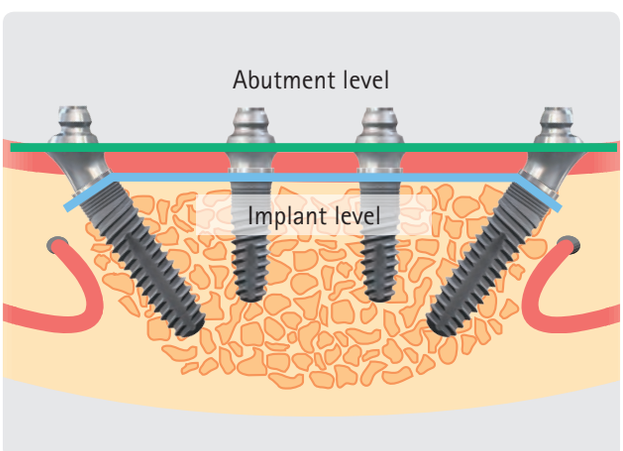
SKY fast & fixed
Immediate restoration for potentially edentulous jaws

- 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 most cases, immediate fixed temporary bridges after only one procedure
- At an affordable price



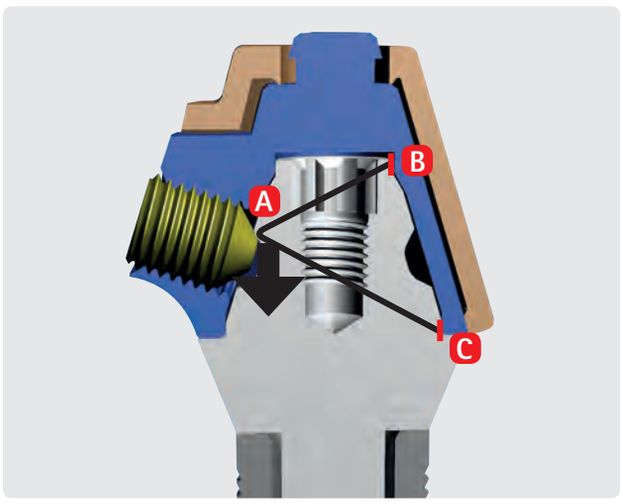
SKY fast & fixed / SKY uni.cone

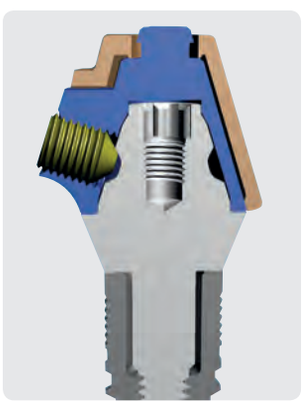
- One-time treatment – no change of abutment required
- Two shoulder diameters:
  - SKY fast & fixed: 5.65 mm
  - SKY uni.cone: 4.5 mm
- Two types of screwing:
  - Occlusally screwed
  - Transversally screwed

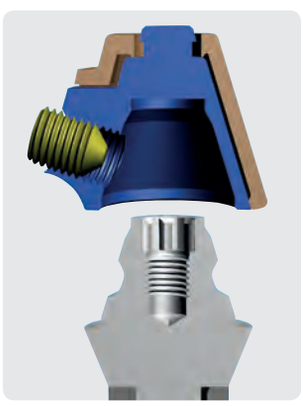


SKY fast & fixed / SKY uni.cone modelling

- Modelling at abutment level
  - Abutment does not need to be removed







SKY fast & fixed / SKY uni.cone transversal screwing

Self-centering transversal screw retention

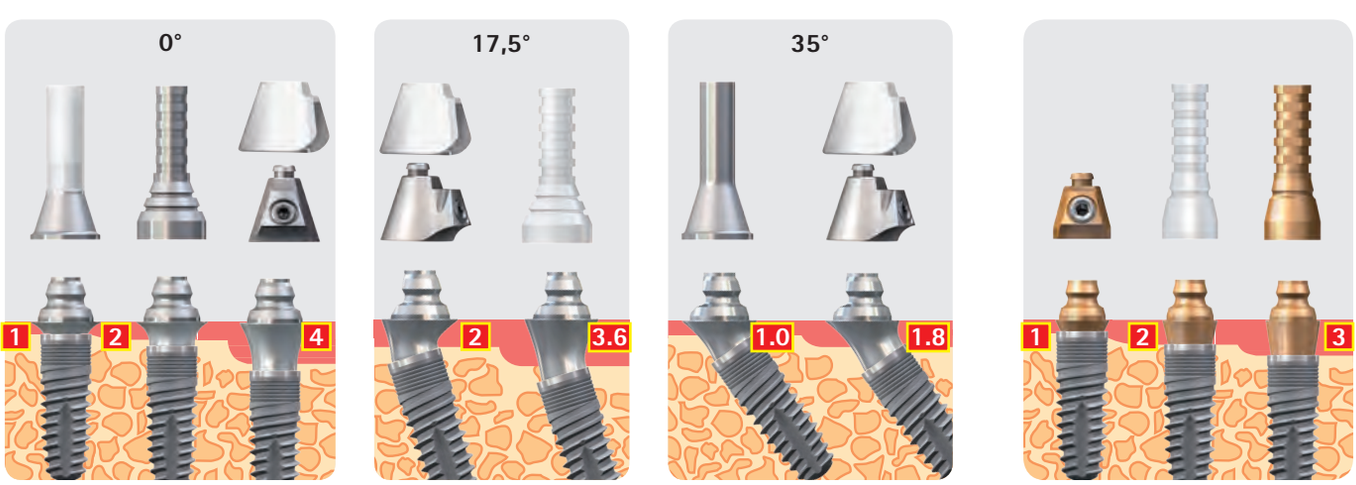
Transversal screw retention is a bolting principle.
The thread for the bolt screw is located in the bridge framework. The bolt screw (A) and the cylindrical surfaces (B and C) form a compact unit. The prosthetic coping is fixed by triple point attachment with the bolt screw (A) and the short cylindrical surfaces (B and C) to avoid tilting. At the same time, the short cylindrical surfaces ensure that the coping is self-centered (passive fit) when it is placed on. Thanks to the slightly inclined position of the bolt screw, the prosthetic coping is pressed on the abutment platform and gap formation is avoided when it is tightened.

Simple application

Using the pre-fabricated transversal screwing is very simple:

- because the screw always remains in the secondary structure, therefore threading is not necessary.
- because only a few rotations are required to fix or loosen the restoration.
- because the precision groove running all the way around enables a high degree of freedom when designing the access to the screw.

Combinable SKY fast & fixed and SKY uni.cone



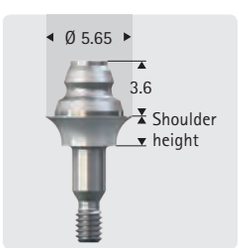
SKY fast & fixed abutments with narrow Platform for
- blueSKY
- SKY classic

Gingiva height in mm

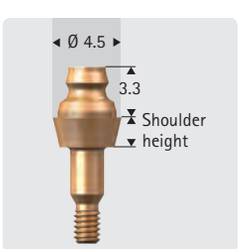
SKY uni.cone abutments with narrow Platform for
- narrowSKY
- blueSKY
- SKY classic

SKY fast & fixed – components

REF	SKYFn354	SKYFn355	SKYFn173	SKYFn175
Description	SKY fast & fixed abutment 35°	SKY fast & fixed abutment 35°	SKY fast & fixed abutment 17.5°	SKY fast & fixed abutment 17.5°
Shoulder height / mm	4.0	5.0	3.3	5.0
piece	1 set	1 set	1 set	1 set
Gingiva height / mm	1.0	1.8	2.0	3.6
Angulation	35°	35°	17.5°	17.5°
Abutment height / mm	3.6	3.6	3.6	3.6
Shoulder Ø / mm	5.65	5.65	5.65	5.65
Insertion aid	incl.	incl.	incl.	incl.
Material	Ti*	Ti*	Ti*	Ti*
2.2 screw	incl.	incl.	incl.	incl.
SKY prosthetic key	✔	✔	✔	✔
Torque/Ncm	25	25	25	25
Platform	narrow	narrow	narrow	narrow
narrowSKY	✔	✔	✔	✔
blueSKY / SKY classic	✔	✔	✔	✔

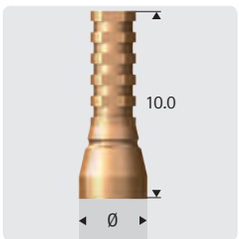


REF	SKYFn001	SKYFn002	SKYFn004
Description	SKY fast & fixed abutment 0° NP	SKY fast & fixed abutment 0° NP	SKY fast & fixed abutment 0° NP
Shoulder height / mm	1.0	2.0	4.0
piece	1	1	1
Angulation	0°	0°	0°
Abutment height / mm	3.6	3.6	3.6
Shoulder Ø / mm	5.65	5.65	5.65
Material	Ti*	Ti*	Ti*
SKY prosthetic key	✔	✔	✔
Torque/Ncm	25	25	25
Platform	regular	regular	regular
narrowSKY	✔	✔	✔
blueSKY / SKY classic	✔	✔	✔

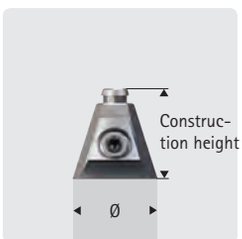


REF	SKYUC001	SKYUC002	SKYUC003
Description	SKY uni.cone abutment 0°	SKY uni.cone abutment 0°	SKY uni.cone abutment 0°
Shoulder height / mm	1.0	2.0	3.0
piece	1	1	1
Angulation	0°	0°	0°
Abutment height / mm	3.3	3.3	3.3
Shoulder Ø / mm	4.5	4.5	4.5
Material	Ti*	Ti*	Ti*
SKY prosthetic key	✔	✔	✔
Torque/Ncm	25	25	25
Platform	narrow	narrow	narrow
narrowSKY	✔	✔	✔
blueSKY / SKY classic	✔	✔	✔

Ti*=
Grade 4 KV titanium

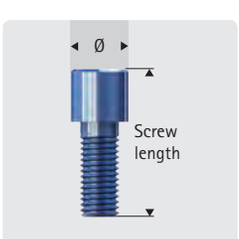


REF	SKYFFPKT	SKYUCPKT	SKYFFPKC	SKYUCPKC
Description	SKY fast & fixed prosthetic coping	SKY uni.cone prosthetic coping titanium	SKY fast & fixed prosthetic coping CAD/CAM	SKY uni.cone prosthetic coping CAD/CAM
piece	1	1	1	1
Construction height / mm	10.0	10.0	10.0	10.0
Angulation	0°	0°	0°	0°
Shoulder Ø / mm	5.65	4.5	5.65	4.5
Silicone tubing	incl.	incl.	-	-
Locking pin	incl.	incl.	-	-
Material	Ti*	Ti*	Ti*	Ti*
Screw	incl.	incl.	incl.	incl.
SKY prosthetic key	✔	✔	✔	✔
Torque/Ncm	18	18	18	18



REF	SKYFFPKK	SKYUCPKK	SKYFFPKH	SKYFTPKS	SKYUCPKS
Description	SKY fast & fixed prosthetic coping plastic	SKY uni.cone prosthetic coping plastic	SKY fast & fixed prosthetic coping HSL cast-on	SKY fast & fixed prosthetic coping transversal	SKY uni.cone prosthetic coping transversal
piece	1	1	1	1	1
Construction height / mm	12.4	12.4	10.0	5.0	5.0
Angulation	0°	0°	0°	0°	0°
Shoulder Ø / mm	5.65	4.5	4.5	6.1	5.1
Modelling cap	-	-	incl.	incl.	incl.
Material	Ti*	Ti*	Pt 90%, Ir 10%	Ti*	Ti*
Melting range	-	-	1770 - 1800°C	-	-
CTE	-	-	11.9 - 12.2 $10^{-6}K^{-1}$	-	-
Weight	-	v	0.59 g	-	-
Sleeve material	-	-	PMMA	-	-
Screw	incl.	incl.	incl.	-	-
SKY prosthetic key	✔	✔	✔	-	-
Inbus 0.9	-	-	-	✔	✔
Torque/Ncm	18	18	18	18	18

Ti*=
Grade 4 KV titanium

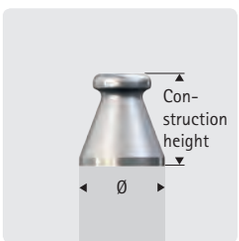


REF	SKYFFSPK	SKYFFLPK	SKYUFTS9
Description	SKY fast & fixed / SKY uni.cone M 1.4 screw	SKY fast & fixed / SKY uni.cone lab screw M 1.4	SKY fast & fixed / SKY uni.cone transversal screw
piece	6	10	6
Screw length / mm	6.0	6.0	1.0
Thread	M 1.4	M 1.4	M 2.0
Head Ø / mm	2.2	2.2	1.0
Material	Ti*	Ti*	Ti*
SKY prosthetic key	✔	✔	-
Inbus 0.9	-	--	✔

SKY fast & fixed – components

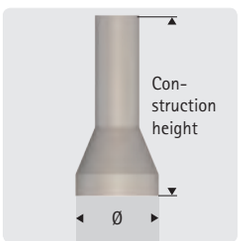



REF	SKYFFSNP	SKYUCSNP	SKYFFREG	SKYUCREG
Description	SKY fast & fixed snap coping	SKY uni.cone snap coping	SKY fast & fixed bite registration	SKY uni.cone bite registration
piece	10	10	10	10
Construction height / mm	8	8	5	5
Angulation	0°	0°	0°	0°
Shoulder Ø / mm	5.65	4.5	5.65	4.5
Material	POM	POM	POM	POM





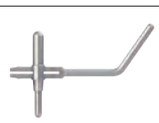

REF	SKYFFAGK	SKYUCAGK	SKYFFAOL	SKYUCAOL
Description	SKY fast & fixed modelling closed tray	SKY uni.cone modelling closed tray	SKY fast & fixed modelling open tray	SKY uni.cone modelling open tray
piece	1	1	1	1
Construction height / mm	10	10	15	15
Angulation	0°	0°	0°	0°
Shoulder Ø / mm	5.65	4.5	5.65	4.5
Material	Ti*	Ti*	Ti*	Ti*
Screw	incl.	incl.	incl.	incl.
SKY prosthetic key	✔	✔	✔	✔






REF	SKYFSCIE	SKYUSCIE	SKYFFTLA	SKYUCTLA
Description	SKY fast & fixed scan coping intraoral / extraoral	SKY uni.cone scan coping intraoral (extraoral)	SKY fast & fixed laboratory analogue	SKY uni.cone laboratory analogue
piece	1	1	1	1
Construction height / mm	12.4	12.4	12	12
Angulation	0°	0°	0°	0°
Shoulder Ø / mm	5.65	4.5	5.65	4.5
Material	PEEK	PEEK	Ti*	Ti*
Screw	incl.	incl.	incl.	incl.
SKY prosthetic key	✔	✔	-	-

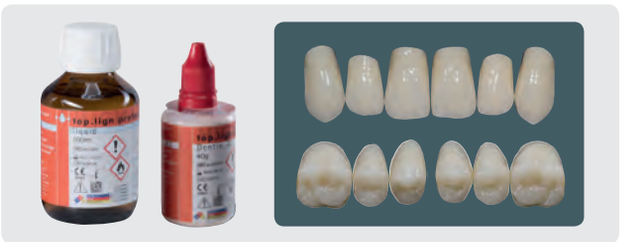
Ti*=
Grade 4 KV titanium



REF	SKYFFS35
Description	SKY fast & fixed angulation aid set 35°
piece	1

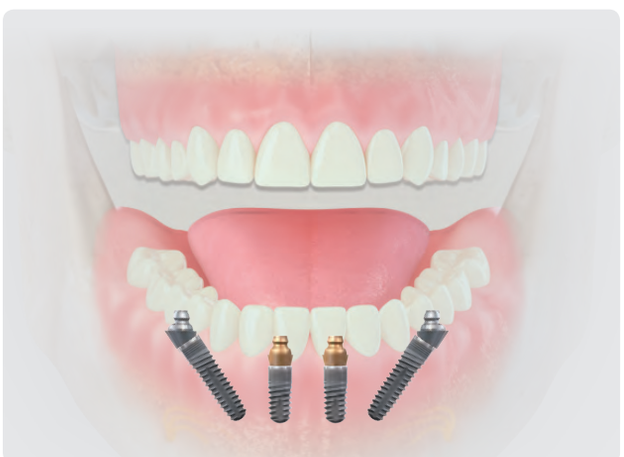
SKY fast & fixed – accessories

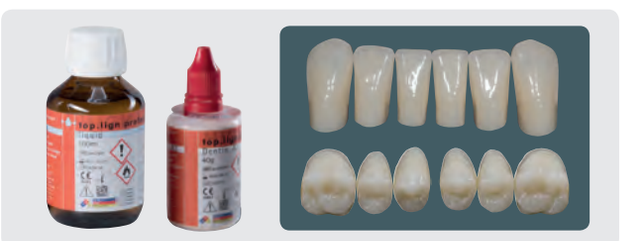
SKY fast & fixed bridge kit



SKY fast & fixed bridge kit maxilla
REF 580FFBOK

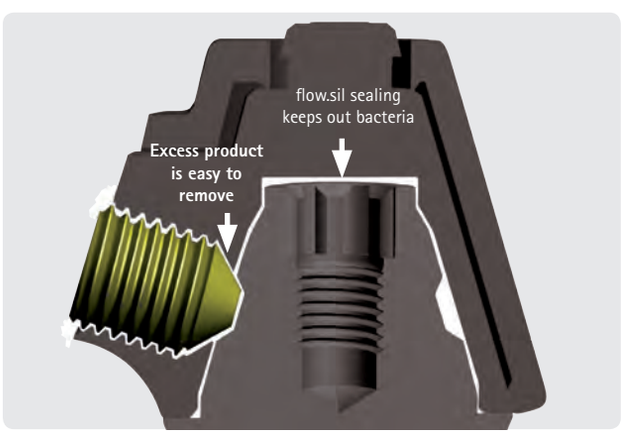
- top.lign professional crown and bridge material
- novo.lign veneers
  - I47, A3
  - L3, A3





SKY fast & fixed bridge kit mandible
REF 580FFBUK

- top.lign professional crown and bridge material
- novo.lign veneers
  - D38 A3
  - L3 A3



flow.sil – microgap sealingflow.sil – microgap sealing
Sealing of the gaps between the abutment and prosthetic restoration

- Has an antimicrobial effect
- Prevents or reduces bacterial colonisation
- Prevents or reduces odour formation

flow.sil Set contains:
5 ml double cartridge
4 mixing cannulas
4 tips
REF 54001270

SKY prosthetics

SKY TiSi.snap

Cost-effective prostheses can be fixed using TiSi.snap and retention.sil, as the existing prosthesis only requires grinding. Hold is guaranteed by retention.sil, which is filled into the cavity. The restoration is very resilient and offers a high level of wearing comfort.

Contents:
retention.sil in 3 hardnesses
in the double-mix cartridge
REF 580 RT SET

retention.sil 200
Shore hardness 25 SH
Pull-off forces 200 g / 2 Newton
REF 580RTS25

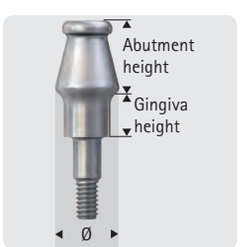
retention.sil 400
Shore hardness 50 SH
Pull-off forces 400 g / 4 Newton
REF 580RTS50

retention.sil 600
Shore hardness 65 SH
Pull-off forces 600 g / 6 Newton
REF 580RTS65

Multisil-Primer
5 ml
REF 520 0100 4

Special Silicon Trimmer
Ø 4.1 mm
REF SKY-DR41

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



REF	TISI0Y31	TISI0Y51	TISI0Y53	TISIAY17	TISIAY35
Description	SKY TiSi.snap abutment 3/1	SKY TiSi.snap abutment 5/1	SKY TiSi.snap abutment 5/3	SKY TiSi.snap abutment 17,5°	SKY TiSi.snap abutment 35°
pieces	1	1	1	1	1
Angulation	0°	0°	0°	0°	0°
Shoulder Ø / mm	4.93	4.93	4.93	5.65	5.65
Gingiva height / mm	1.34	1.34	3.34	3.39	3.99
Material	Ti*	Ti*	Ti*	Ti*	Ti*
SKY prosthetic key	✔	✔	✔	✔	✔
Torque / Ncm	25	25	25	25	25
Platform	narrow	narrow	narrow	regular	regular
narrowSKY	✔	✔	✔	-	-
blueSKY / SKY classic	✔	✔	✔	✔	✔
retention.sil	✔	✔	✔	✔	✔
Retentions-Ø / mm	3.87	3.87	3.87	3.87	3.87
Locator®	0°-10°	0°-10°	0°-10°	0°-10°	0°-10°
Retention elements	10°-20°	10°-20°	10°-20°	10°-20°	10°-20°

Ti*=
Grade 4 KV titanium

SKY Locator®

Crown and bridge material
Qu-resin rosa
REF 540 0116 1

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 5 gingival heights of 1, 2, 3, 4, and 6 mm cover all of the relevant clinical situations.

REF	**LOCLAB10**	**LOCLAB20**
Description	SKY Locator® Processing set 0°-10°	Locator® Processing set 10°-20°
pieces	2 Sets	2 Sets
Material	Titan / Teflon / Nylon	Titan / Teflon / Nylon

REF	**LOCZAB01**	**LOCZAB02**	**LOCZAB03**	**LOCZAB04**	**LOCZAB06**
Description	SKY Locator® abutment for SKY 1 mm	SKY Locator® abutment for SKY 2 mm	SKY Locator® abutment for SKY 3 mm	SKY Locator® abutment for SKY 4 mm	SKY Locator® abutment for SKY 6 mm
pieces	1	1	1	1	1
Angulation	0°	0°	0°	0°	0°
Gingiva height	1	2	3	4	6
Material	Ti*	Ti*	Ti*	Ti*	Ti*
Coating	TiNi	TiNi	TiNi	TiNi	TiNi
Locator-Instruments	✔	✔	✔	v	✔
Torque / Ncm	25	25	25	25	25
Platform	narrow	narrow	narrow	narrow	narrow
narrowSKY	✔	✔	✔	✔	✔
blueSKY / SKY classic	✔	✔	✔	✔	✔
retention.sil	✔	✔	✔	✔	✔
Retention Ø / mm	3.87	3.87	3.87	3.87	3.87
Retention elements 0°-10°	✔	✔	✔	✔	✔
Retention elements 10°-20°	✔	✔	✔	✔	✔

Ti*=
Grade 4 KV titanium

In atrophied jaws, implants can frequently only be inserted obliquely, which creates increased wear on the abutments and the retention elements. The direction of insertion is corrected by the angled Locator®.
The following angulations are available:

- 17.5°
- 35°

It is therefore now also possible to support prostheses from a posterior direction using implants inserted at an angle.




REF	**LOCAB172**	**LOCAB352**	**LOCLAB10**	**LOCLAB20**
Description	SKY Locator® abutment 17,5°	SKY Locator® abutment 35°	SKY Locator® Processing set 0°-10°	SKY Locator® Processing set 10°-20°
pieces	1	1	2 Sets	2 Sets
Angulation	17.5°	35°	-	-
Sholder Ø / mm	5.65	5.65	-	-
Gingiva height / mm	3.8	3.8	-	-
Coping Material	Titan Grade V	Titan Grade V	-	-
Coping coating	TiNi	TiNi	-	-
Basi material	Titan Grade IV	Titan Grade IV	-	-
Material	-	-	Titanium / Teflon / Nylon	Titanium / Teflon / Nylon
Screw	incl.	incl.	-	-
SKY prosthetic key	✔	✔	-	-
Torque / Ncm	25	25	-	-
Platform	regular	regular	-	-
narrowSKY	-	-	-	-
blueSKY / SKY classic	✔	✔	-	-
Retention Ø / mm	3.87	3.87	-	-
Retention elements 0°-10°	✔	✔	-	-
Retention elements 10°-20°	✔	✔	-	-

SKY Locator® Prosthesis fixation

SKY Locator®
Instrument
1 pieces
REF LOCZINST

SKY Locator®
Angular insertion instrument, 1 pieces
REF LOCZWED6

Impression coping
4 pieces
REF LOCZAK40

Laboratory analog
4 pieces
REF LOCZLA40

Blocking out ring
20 pieces
REF LOCblock

Processing insert
black
4 pieces
REF LOCZVA11

Angular measuring abutment
4 pieces
REF LOCZWIMP

Angular measuring gauge
1 pieces
REF LOCZWIML

0°–10°

Retention insert
blue, 6.7 N, 680 g
4 pieces
REF LOCR1006

Retention insert
pink, 13.4 N, 1365 g
4 pieces
REF LOCR1013

Retention insert
transparent, 22.3 N, 2270 g
4 pieces
REF LOCR1022

10°–20°

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

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

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

Prosthesis fixation and restoration of narrow single tooth gaps

bredent medical

miniSKY for narrow alveolar ridges

Prosthesis fixation

With miniSKY, bredent medical offers an implant that is reduced in diameter and perfectly suited to prosthesis fixation due to its technical properties.

Restoration of narrow single tooth gaps

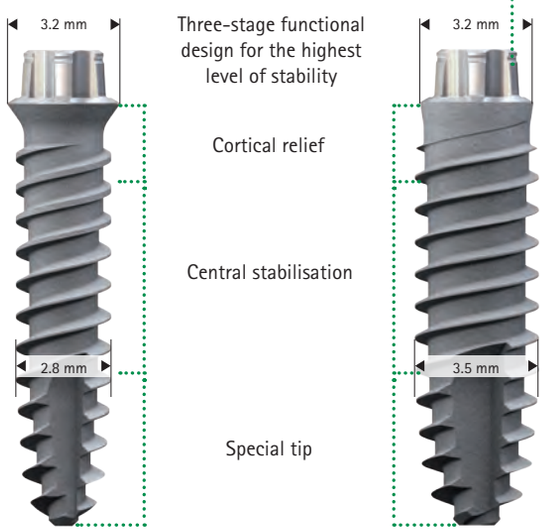
mini²SKY is perfectly suited to restoration of narrow single tooth gaps.
In the case of low bone availability and despite residual dentition, patients can be treated with a highly-aesthetic solution for the edentulous space.

The miniSKY implant system

Implant and surface design

mini¹SKY

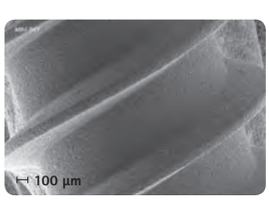
mini²SKY



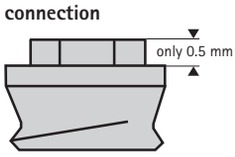
***osseo connect* surface (*ocs*)®**

The mini¹SKY and mini²SKY implants have the tried-and-tested *osseo-connect* surface (*ocs*)® of the blueSKY implants, which ensures optimal osseointegration.

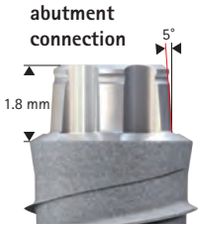
The uniform coarse surface provides ideal prerequisites for the accumulation of the osteoblasts. This is supported by the excellent hydrophilic properties of the implants.



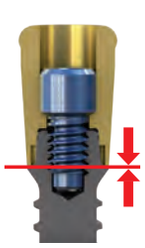
Competing implant abutment connection



mini²SKY implant abutment connection



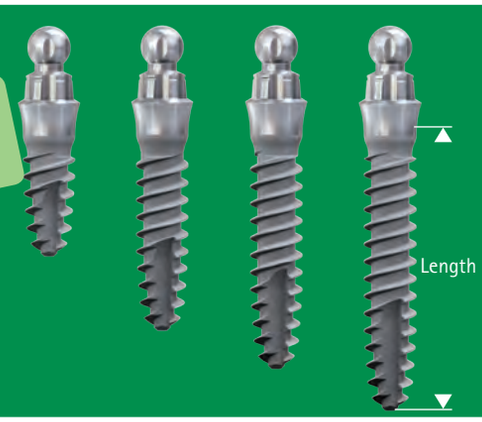
- High implant abutment connection
- Minimal movement due to 5° cone
- Exceptional stability



Definitive positioning of the abutment

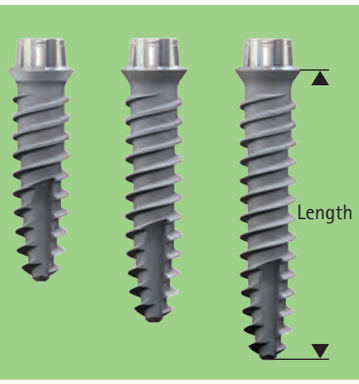
mini¹SKY

- Temporary implant
- Fixation of templates



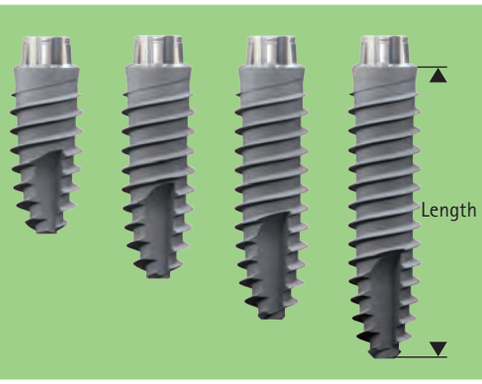
Length 6 mm	REF m1SKYL06
Length 10 mm	REF m1SKYL10
Length 12 mm	REF m1SKYL12
Length 14 mm	REF m1SKYL14

mini²SKY 2.8



Length 10 mm	REF m2SKYL10
Length 12 mm	REF m2SKYL12
Length 14 mm	REF m2SKYL14

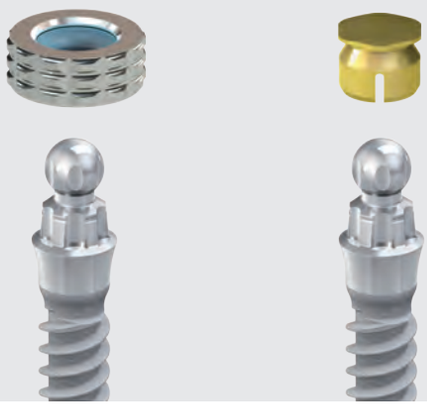
mini²SKY 3.2



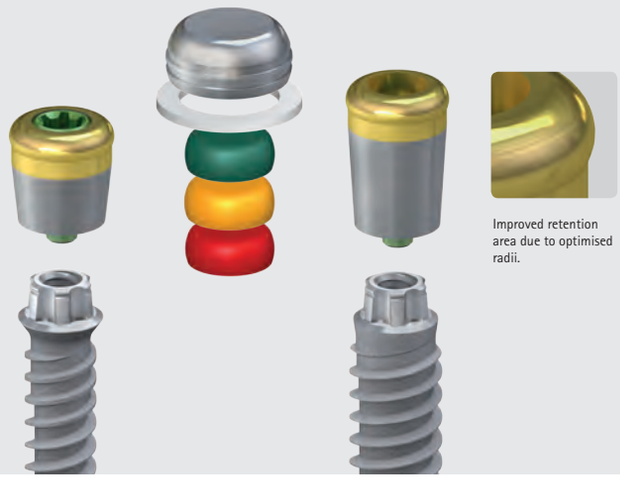
Length 8 mm	REF m2SK3208
Length 10 mm	REF m2SK3210
Length 12 mm	REF m2SK3212
Length 14 mm	REF m2SK3214

Prosthesis fixation

SKY O-ring housing or SKY precious metal matrix



mini²SKY retention.loc



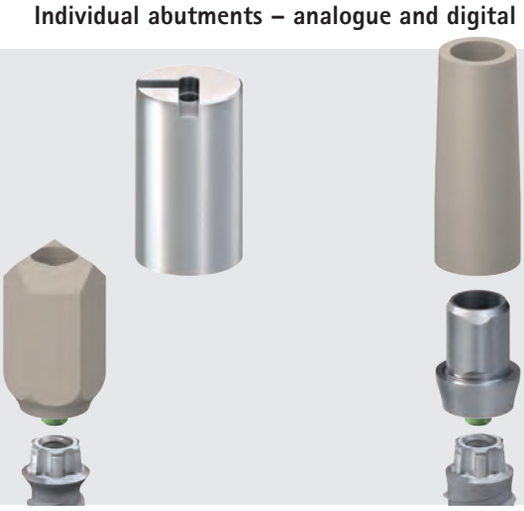
mini²SKY TiSi.snap with retention.sil – the economical alternative

CAD/CAM manufactured bars – directly screwed

Restoration of narrow single-tooth gaps

Standard abutments

Individual abutments – analogue and digital



Component overview

Prosthetic fixation for mini¹SKY

SKY Precious Metal Matrix — SKYGM225

Metal Housing with O-ring — SKY-OR50

O-rings 6 pieces — SKY-OR55

mini¹SKY Implant Analogue — m1SKYXIA

mini¹SKY BOX with SKY-OR50 — m1SKYBOX

SKY Precious Metal Matrix Activator — SKYGMAKT

SKY Precious Metal Matrix Deactivator — SKYGMDEA

Prosthetic fixation for mini²SKY

mini²SKY retention.loc — m2SKYRL2, m2SKYRL4

mini²SKY Locator® — m2SKYLC2, m2SKYLC4

Locator® Processing Set — LOCLAB20 (2 Sets)

mini²SKY TiSi.snap — m2SKTI02, m2SKTI04 (Available from September 2017)

retention.sil Set — 580RTSET

SKY Bone Bur — SKY-DR41

mini²SKY BOX with mini²SKY retention.loc — m2SKYBOXRL

mini²SKY BOX with mini²SKY Locator® — m2SKYBOX

Prosthetic fixation with CAD/CAM manufactured bar on mini²SKY

mini²SKY Scan Abutment — m2SKSCIE

mini²SKY Srew — m2SKYS22 (6 pieces)

Restoration of narrow single-tooth gaps with mini²SKY

mini²SKY MD-Abutment Titanium — m2SKYMDT

mini²SKY MD-Abutment BioXS — m2SKYMDB

mini²SKY uni.fit Abutment — m2SKYUFA

Modelling Sleeve — UFCADMOD (10 pieces)

mini²SKY Scan-Abutment — m2SKSCIE

mini²SKY Prefab Titanium — m2SKYPFT

Impression abutments, laboratory analogues, gingiva former and screws for mini²SKY

mini²SKY Impression Abutment — m2SKYPA1

mini²SKY Implant Analogue — m2SKYXIA

mini²SKY Gingiva Former — m2SKYGF3

Available from June 2017 — m2SKYGF5

mini²SKY Srew — m2SKYS22 (6 pieces)

mini²SKY Laborotory Srew — m2SKYL22 (10 pieces)

For broad alveolar ridges with low height – copaSKY, short and good

For years, the SKY implant system with narrow and angled implants has been a pioneer of minimally-invasive surgical procedures, with the aim of making optimal use of the existing bone and avoiding augmentation as far as possible.

With the new copaSKY, we now offer an impressive alternative for the restoration of broad, flat jaws with short implants.

copaSKY also has the DNA of all SKY implant systems: The only elements that have been changed are those that were necessary for the compact construction

- Mainly the new conical, parallel-walled very stable implant-abutment connection
- The implant has a back taper so that attachment of bone chips is possible
- The implant position is iso-crestal or slightly sub-crestal
- Single-start screw thread for a better feeling

The tried-and-tested properties of the SKY system have been retained:

- One connector geometry for all diameters
- Torx as rotation protection
- Manageable compact prosthetics
- Conical cylindrical implant shape
- Tried-and-tested *osseo-connect* surface (*oc*s)®
- Self-tapping deepened compression thread
- High level of primary stability
- Same surgical protocol

At the beginning, the copaSKY implant line is limited to what is important, and is expanded little by little by the tried-and-tested prosthetic elements of the SKY implant system:

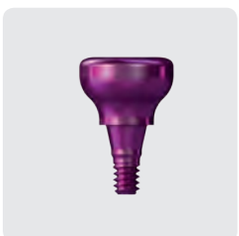
- copaSKY elegance
- copaSKY uni.fit CAD
- copaSKY uni.cone abutment

copaSKY impression abutment open tray
The proven design of the SKY abutments for open trays was adopted.
REF copaPAM1

copaSKY mounter
Only one new implant mounter is required for use.

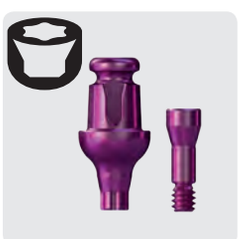
copaSKY mounter short
REF copaCTK5

copaSKY mounter long
REF copaCTK6

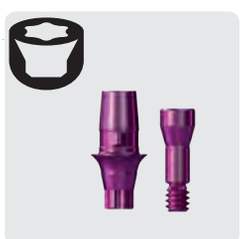


copaSKY Gingiva former open tray
The proven design of the SKY aesthetic abutments was adopted.
REF copaGF04

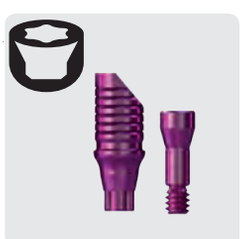
copaSKY implant analogue
Only one implant analogue for all diameters.
REF copaIA50



copaSKY exso abutment
This multi-functional abutment is suitable for closed modelling as well as a permanent titanium abutment.
REF copaEXSO



copaSKY titanium base for CEREC
The titanium base for the CEREC workflow for chairside manufacture of the superstructure.
REF copaSCTB



copaSKY elegance titanium base ML
The titanium base for the laboratory manufacture of individual abutments made from BioHPP using the *for*2press system
REF copaETBM

copa SKY

Ø 4 mm	Ø 5 mm	Ø 6 mm	
			
Length 5.2 mm	Length 5.2 mm	Length 5.2 mm	Including a cover screw
REF copa4005	REF copa5005	REF copa6005	

The aesthetic zirconium implant

11 years experience – scientifically proven

High success rates
- Amberger et. al 2015 – 94.6% after 4 years
- Grassi et al. 2015 - 96.4% after 5 years

Highly stable implant
- Kohal et al. 2011

Excellent soft tissue attachment
- Stadlinger et al. 2011

Stable bone level
- Amberger et. al 2015
- Borgonovo et al. 2013
- Grassi et al. 2015

Recommendations for using the whiteSKY zirconium implants

Very thorough implant planning required.

Individual tooth:
Correct implant position is crucial for the aesthetic result

Bridges:
- Parallel positioning of the implants for the restoration required
- +/- 10° divergence balance possible
- Use drilling templates

Make use of the surgical options to achieve optimal primary stability

Temporarily restore the implant immediately
- Elastic prosthetic materials
- Interlocking with neighbouring teeth if the primary stability < 30 Ncm

Modelling like a natural tooth stump

Permanent restoration
- Using modern high-performance polymers such as BioHPP, which are veneered with composite materials such as visio.lign
- Using ceramic

Literature:

Amberger et al.
Immediate provisional restoration of single-piece zirconia implants: 4 years follow up
Med Oral Patol Oral Cir Bucal

Borgonovo et al.
Behavior of endosseous one-piece yttrium stabilized zirconia dental implants placed in posterior areas
Minerva Stomatol 2013 62, 247-57

Calvo-Guirado et al.
Histological, radiological and histomorphometric evaluation of immediate vs. non-immediate loading of a zirconia implant with surface treatment in a dog model
Clinical Oral Implants Research, Volume 25, Issue 7, July 2014, Pages: 826–830, Jose

Grassi et al.
Immediate Occlusal Loading of One-Piece Ziirconia Implants:
5 years Radiographic and Clinical Evaluation
JOMI, vol. 30, N° 3, 2015

Kohal et al.
The effects of cyclic loading and preparation on the fracture strength of zirconium-dioxide implants: an in vitro investigation.
Clin. Oral Implants Res, 2011 Aug 22 (8); S. 808-814

Payer et al.
Immediate provisional restoration of single-piece zirconia implants: a prospective case series – results after 24 months of clinical function
COIR, Volume 24, Issue 5, May 2013, Pages: 569–575

Stadlinger et al.
Comparison of zirconia and titanium implants after a short healing period.
A pilot study in minipigs.
Clinical & Maxillofacial Surgery, Vol. 3, 1, 2010

whiteSKY sizes

Ø 3.5 mm

Length 10 mm	REF SKY3510C
Length 12 mm	REF bSKY3512C
Length 14 mm	REF SKY3514C
Length 16 mm	REF SKY3516C

Ø 4.0 mm

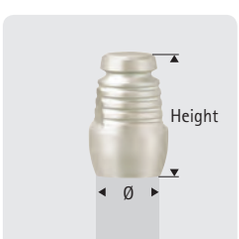
Length 8 mm	REF SKY4008C
Length 10 mm	REF SKY4010C
Length 12 mm	REF SKY4012C
Length 14 mm	REF SKY4014C
Length 16 mm	REF SKY4016C

Ø 4.5 mm

Length 8 mm	REF SKY4508C
Length 10 mm	REF SKY4510C
Length 12 mm	REF SKY4512C
Length 14 mm	REF SKY4514C

OP-Kit OT21
REF SKYXOT21

Set for grinding zirconium whiteSKY
REF 580E006C

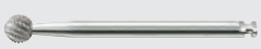


REF	**SKYCPK40**	**SKYCPK45**
Description	whiteSKY Prosthetic cap Ø 3.5 mm and 4.0 mm	whiteSKY Prosthetic cap Ø 4.5 mm
Pieces	1	1
Height / mm	8.0	8.0
Ø / mm	5.3	5.3
Material	PEEK	PEEK

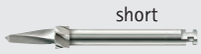
Drill

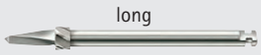
Drill stops			L6	L8	L10	L12	L14	L16
Twistdrill		REF	SKYXST06	SKYXST08	SKYXST10	SKYXST12	SKYXST14	SKYXST16
Drill	3.5 4.0	REF	–	SKYS0840	SKYS1040	SKYS1240	SKYS1440	SKYS1640
Drill	4.5 5.5	REF	–	SKYS0845	SKYS1045	SKYS1245	SKYS1445	–

Bone bur rpm/min rpm 800-1.000

Ø 4.1  **REF SKY-DR41**

Pilot drill rpm 800-1.000

Ø 3.1 short  **REF SKY-DP06**

Ø 3.1 long  **REF SKY-DP08**

Twistdrill rpm 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 300

Ø 3.2  **REF SKYD1235** 3.5 3.5 N

Ø 3.8  **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 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 300

Ø 3.5  **REF SKYCD35n** narrowSKY 3.5 N

Ø 4.0  **REF SKYXCD35** 3.5 blueSKY, SKY classic

Ø 4.0  **REF SKYXCD40** 4.0 blueSKY SKY classic

Ø 4.5  **REF SKYXCD45** 4.5 blueSKY SKY classic

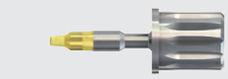
Ø 5.2  **REF SKYXCD55** 5.5 blueSKY

SKY Drill extension

 **REF SKY-DV12**

Dimensions in mm

Surgical tools



SKY TK mounter for ratchet short
REF SKY-STK5

SKY TK mounter for ratchet long
REF SKY-STK6

SKY TK mounter for contra-angle short
REF SKY-WTK5

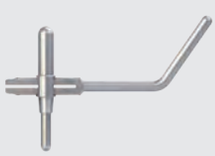
SKY TK mounter for contra-angle long
REF SKY-WTK6

miniSKY insertion instrument for contra-angle short **REF mSKYXWM6**

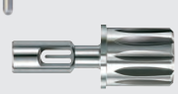
miniSKY insertion instrument for contra-angle long **REF mSKYXWM7**

SKY Connector for contra-angle
REF SKYTWCON

Parallel indicator with conical and cylindrical side, thicker central area with hole for protection against accidental dropping
REF SKY-PI22

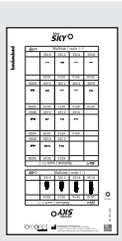


SKY fast & fixed angulation aid set 35°
REF SKYFFS35



whiteSKY mounter for ratchet
REF SKYC-SM6

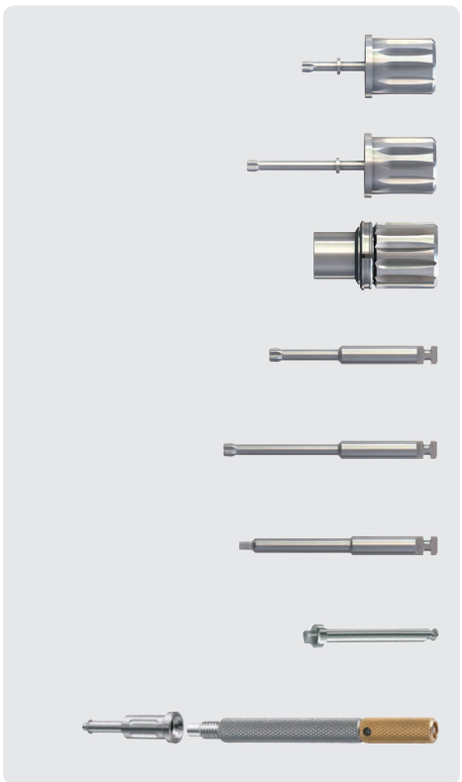
whiteSKY mounter for ratchet
REF SKYC-WM6



blueSKY / narrowSKY X-ray-templates
Scale 1:1 **REF bSKYMS01**
Scale 1.12:1 **REF bSKYMS12**
Scale 1.26:1 **REF bSKYMS26**

SKY classic X-ray-templates
Scale 1:1 **REF kSKYMS01**
Scale 1.12:1 **REF kSKYMS12**
Scale 1.26:1 **REF kSKYMS26**

Prosthetic tools



SKY prosthetic key short
REF SKY-SD16

SKY prosthetic key long
REF SKY-SD25

SKY Connector for contra-angle
REF SKYTWCON

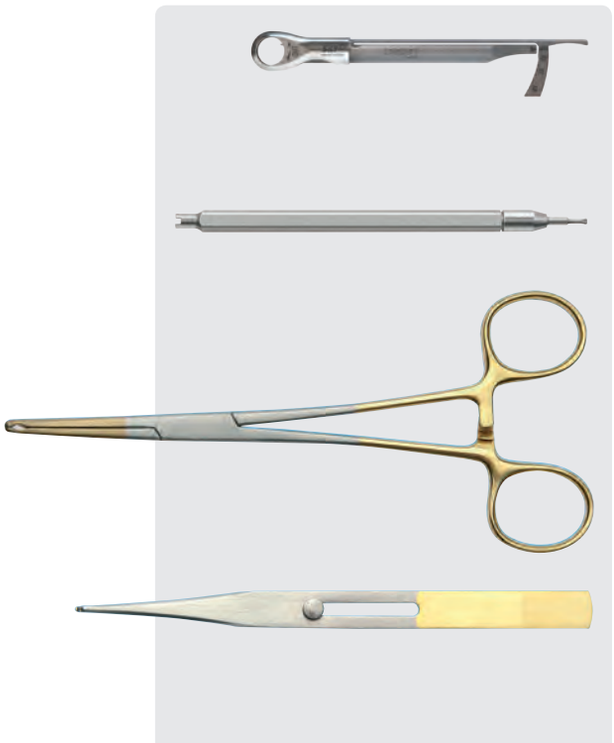
SKY prosthetic key for contra-angle short
REF SKY-SD22

SKY prosthetic key for contra-angle long
REF SKY-SD28

Screwdriver Alle 0.9 for transversal screw-retention
REF 310W0106

SKY Locator® mounter for contra-angle
REF LOCZWED6

SKY Locator® Instrument
REF LOCZINST



SKY Torque Wrench pro
Precise display of the torques from 10 to 45 Ncm
REF SKYTWPRO

SKY Laboratory handle incl. **SD-22**
- Work end for insertion of contra-angle handpieces
- Work end for ball head screw (corresponds to SKY-SD21)

REF SKY-SD80

SKY Universal forceps
- itanium nitrite-coated grip surface
- Holding of implants and abutments
- Oral securing of the prosthetic key

REF SKY-SD60

SKY Key holder
- Oral securing of the prosthetic key

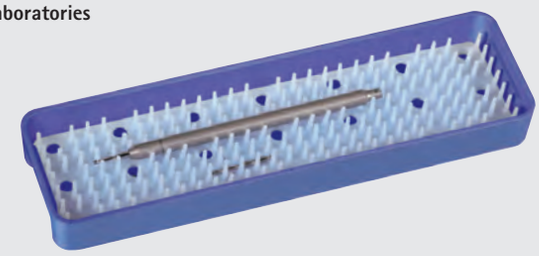
REF SKY-SD65

Practice

With the SKY prosthetic case for practice, the necessary wrench is always to hand in your practice.

The prosthetic case is equipped with the Torque-Wrench pro and the long and short SKY prosthetic keys as standard.

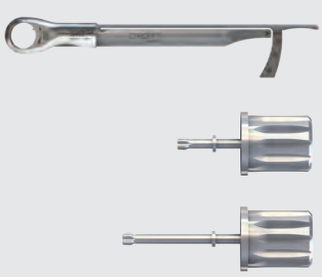
Laboratories



With the SKY prosthetic case for laboratory, the necessary wrench is always to hand in your laboratory.

The prosthetic case is equipped with the laboratory handle and the prosthetic key for the contra-angle handpiece as standard.

SKY prosthetic assortment practice REF SKYPET10



Content:

SKY torque ratchet

SKY prosthetic key short

SKY prosthetic key long

The following products can be ordered separately as desired.

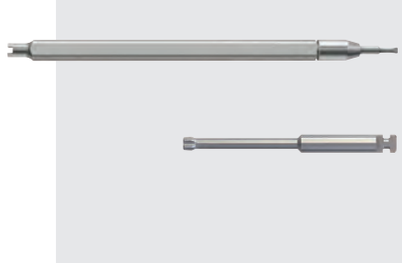
SKY prosthetic key for ball head attachments
REF SKY-SD21

SKY Connector for contra-angle
REF SKYTWCON

Screwdriver Alle 0.9 for transversal screw-retention
SKY 310W0106

SKY Key holder
REF SKY-SD65

SKY prosthetic assortment laboratories REF SKYPET20



Content:

SKY
laboratory handle

SKY prosthetic key for contra-angle

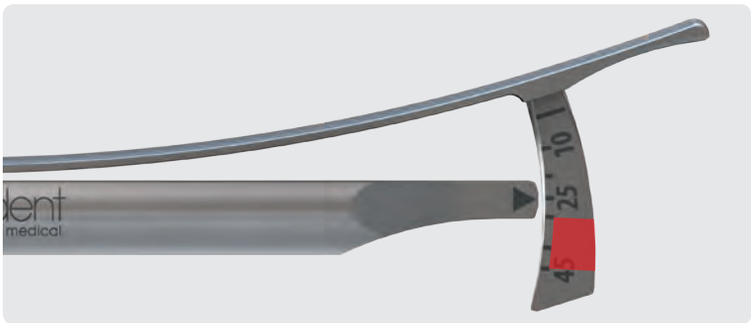
The following products can be ordered separately as desired.

SKY Locator®
mounter for contra-angles
REF LOCZWED6

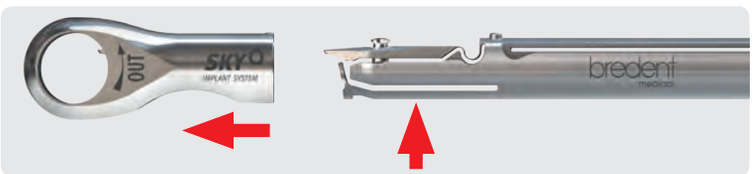
Screwdriver, Allen screw 0.9 for transversal screw retention
SKY 310W0106

Torque Wrench pro

SKY Torque Wrench pro set
incl. SKY connector
Precise display of the torques from 10 to 45 Ncm
REF SKYTWSET



- Gingiva former and impression abutment (10 Ncm)
- SKY fast & fixed / uni.cone copings (18 Ncm)
- All SKY abutments (25 Ncm)
- Range for primary stability for immediate restoration 30 – 45 Ncm (40 Ncm for improved orientation)



Easy to clean:
- The head separates easily from the handle using finger pressure
- Easy to reassemble after cleaning
- Done

SKY connector
- For contra-angle handpiece instruments
- Snaps firmly into the ratchet by pushing with your thumb
- Easy to remove by pushing with your thumb

CPS Cordless Prosthodontic Screwdriver

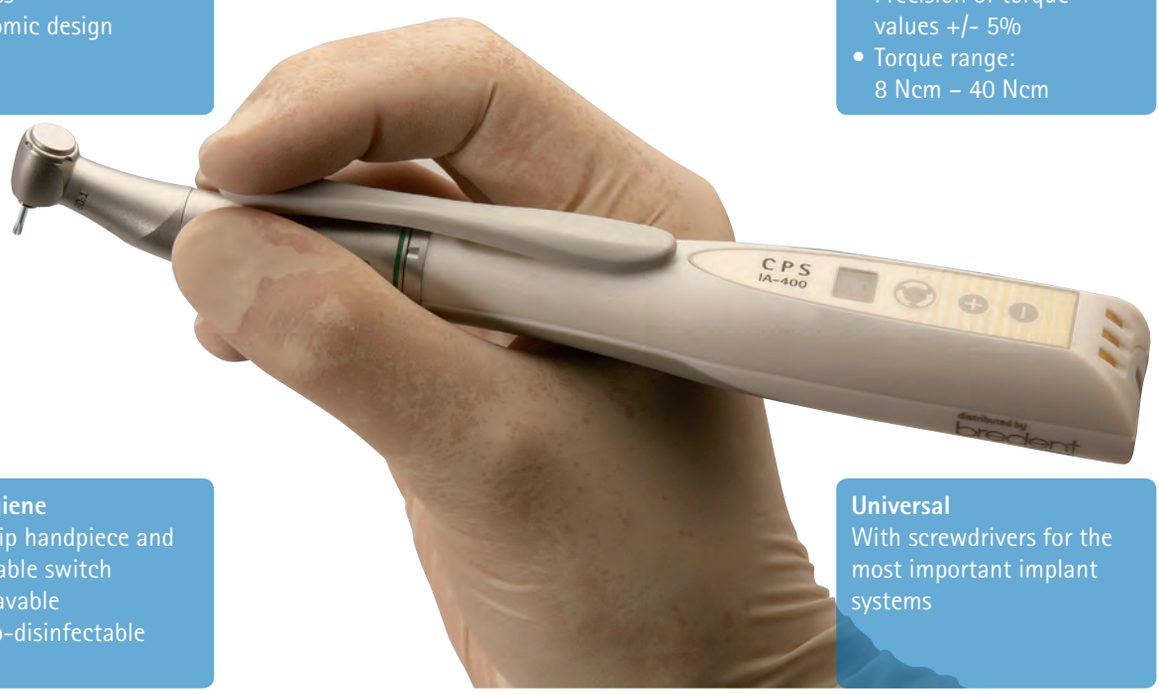
How much time do you spend loosening and fixing implant screws?
You can save app. 50 % of the time using the CPS.

Are you sure that your screws are always the correct tightness?
With CPS there will be no screw loosenings due to wrong torque.

Can you reach your palatinal screws easily?
With CPS you have perfect access to all sites because it is cordless.

Perfect Handling
- cordless
- ergonomic design

Highest precision
- Precision of torque values +/- 5%
- Torque range: 8 Ncm – 40 Ncm



Best hygiene
- Non-slip handpiece and removable switch
- autoclavable
- thermo-disinfectable

Universal
With screwdrivers for the most important implant systems

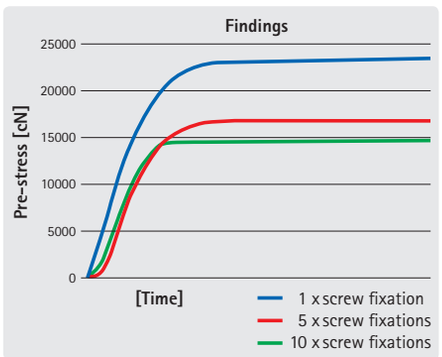
CPS Cordless Prosthodontic Screwdriver
+ Full Range Driver-Kit
REF 580 CPS 40

Full Range Driver-Kit

Hexagon	(Inch)	0.03	0.05				
Hexagon	(mm)	0.9	1.0	1.2	1.8	2.5	
Torx	(mm)	SKY	5.5	6.0			
Slot	(mm)	1.6	2.0				

Screws

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.



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

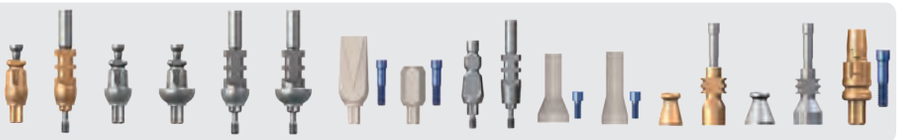
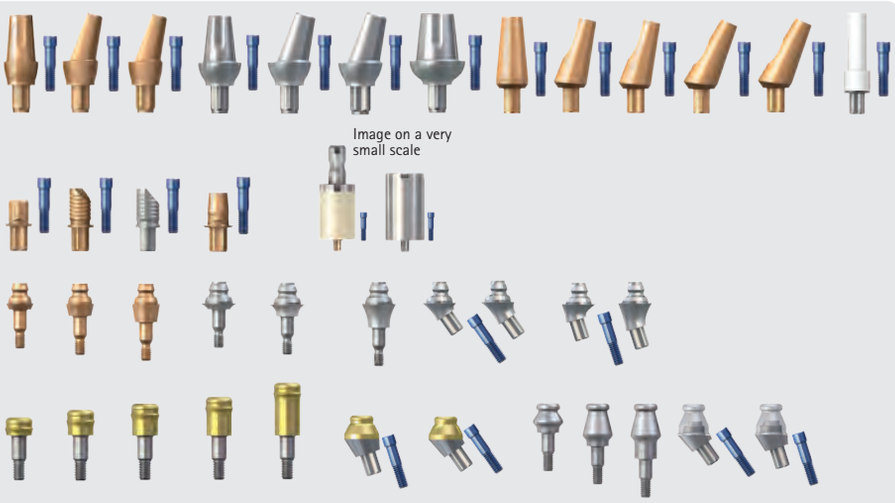
REF	**SKY-PS22**	**SKYLPS22**	**SKYFFSPK**	**SKYFFLPK**	**SKYUFTS9**
Description	SKY screw 2.2	SKY lab screw 2.2	SKY fast & fixed / uni.cone screw M1.4 für Proesthetic coping	SKY fast & fixed / uni.cone screw M1.4 grey	SKY fast & fixed / uni.cone Transversal screw Hexagon 0.9
pieces	6	10	6	10	6
Screw length / mm	9.2	9.2	5.3	5.3	2.5
Thread	M 1.8	M 1.8	M 1.4	M1.4	M 2x0.25
Head Ø / mm	2.2	2.2	2.2	2.2	2.2
Material	Ti*	Ti*	Ti*	Ti*	Ti*
SKY prosthetic key	✔	✔	✔	✔	✔

REF	**m2SKYS22**	**m2SKYL22**
Description	mini²SKY screw	mini²SKY lab screw
pieces	6	10
Screw length / mm	4.7	4.7
Thread	M 1.6	M 1.6
Head Ø / mm	2.2	2.2
Material	Titan Grade V	Titan Grade V
SKY prosthetic key	✔	✔

REF	**COPASM16**	**COPALM16**
Description	copaSKY screw	copaSKY lab screw
pieces	1	1
Screw length / mm	6.5	6.5
Thread	M 1.6	M 1.6
Head Ø / mm	2.2	2.2
Material	Ti*	Ti*
SKY prosthetic key	✔	✔

Ti*=
Grade 4 KV titanium

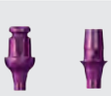
Torques for SKY prosthetics

SKY cover screw SKY gingiva former	25 rpm	10 Ncm	
SKY impression abutments	25 rpm	10 Ncm	
SKY temp SKY uni.cone SKY fast & fixed Prosthetic srew	25 rpm	18 Ncm	
SKY abutments	25 rpm	25 Ncm	 Image on a very small scale

Torques for miniSKY prosthetics

miniSKY Gingiva former impression abutments Scan abutment	25 rpm	10 Ncm	
miniSKY abutments	25 rpm	20 Ncm	

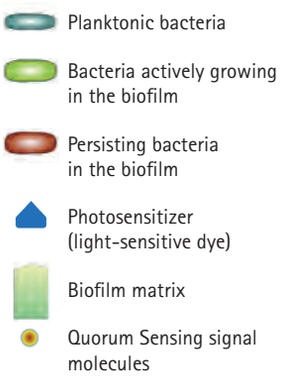
Torques for copaSKY prosthetics

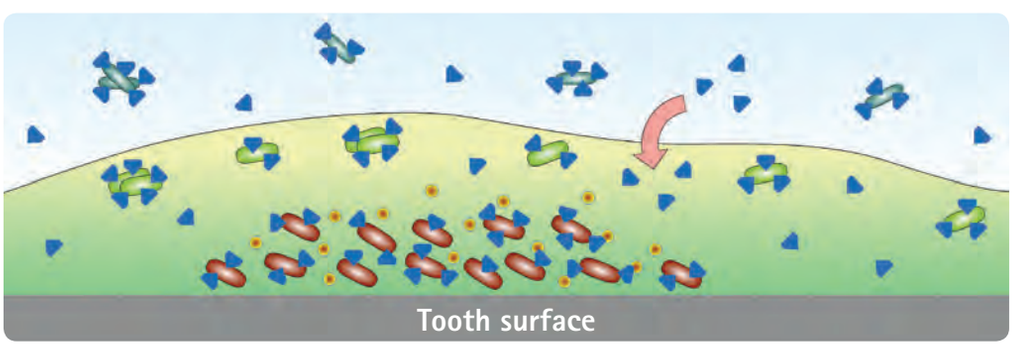
copaSKY Gingiva former impression abutments	25 rpm	10 Ncm	
copaSKY abutments	25 rpm	25 Ncm	

HELBO® Treatment – modern treatment

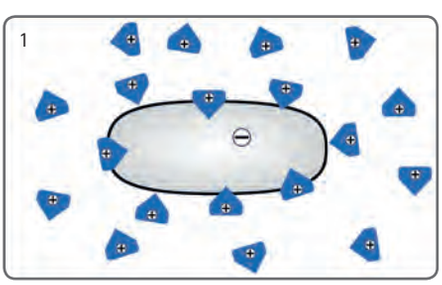
With HELBO® Treatment you can quickly relieve your patients from these inflammations/infections or prevent disturbances to wound healing. The light also accelerates the healing process and has a proven analgesic effect. The treatment integrates exceptionally into existing treatments offered by bredent medical. HELBO® therefore ensures treatment success in the context of immediate restoration of whole jaws with SKY fast & fixed or even of individual tooth gaps with SKY elegance. HELBO® can also be combined perfectly with bone replacement materials, membranes or even collagen fleeces in the case of augmentative measures and socket preservation. The HELBO® treatment can be assigned to adequately trained assistants to reduce the workload for the dentist.

Singlet oxygen destroys pathogenic bacteria.
The proposed treatment is based upon the marking of the bacterial wall using light-sensitive dye molecules, which diffuse into the biofilm from the Photosensitizer. The dye molecules are then activated using laser light and transfer their energy into local oxygen. This creates highly-aggressive singlet oxygen, which destroys more than 99 percent of the bacteria in the biofilm. An efficacy rate as high as this would be unthinkable using conventional treatment methods.

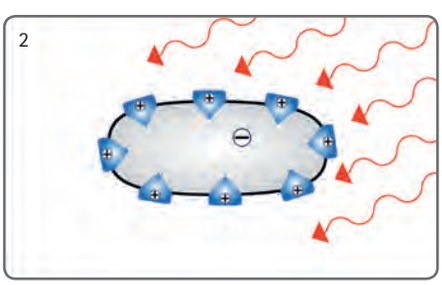




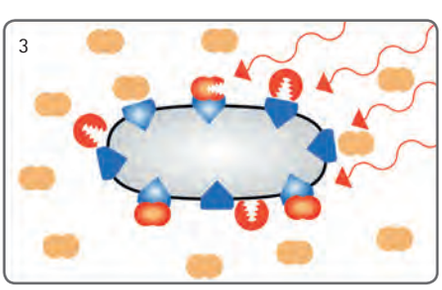
How it works



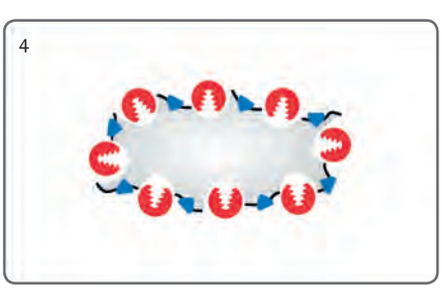
Accumulation of light-sensitive photosensitizers on the bacterial membrane



Exposure and stimulation of the photosensitizers with the HELBO®TheraLite Laser

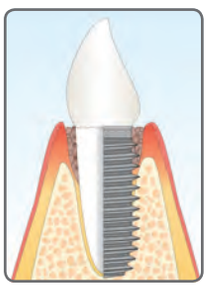
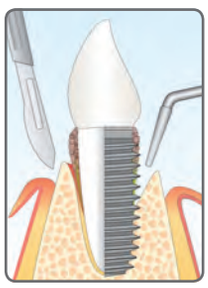


Reaction with oxygen, image of aggressive singlet oxygen



Damage to bacterial membrane: destruction of the micro-organisms

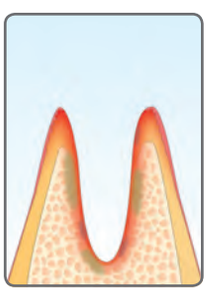
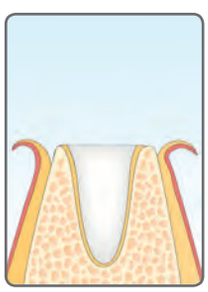
Areas of application

Periodontitis / Periimplantitis
(closed/surgical procedure)

HELBO® therapy is used in initial and maintenance treatment. Depending on the severity of the disease and accessibility, the procedure is carried out by means of a closed or surgical procedure. Studies confirm that the inflammation subsides, healing is promoted and the probe depth is reduced with this treatment.

Image:
Dr. Tilman Eberhard, Schwäbisch Gmünd

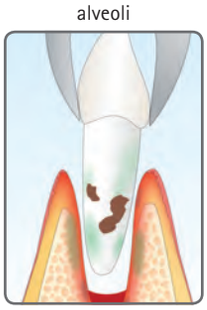
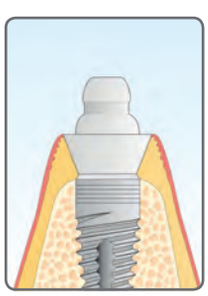



Disinfection of the alveoli

Socket preservation

Teeth are most often removed due to bacterial inflammations. In terms of aesthetics and additional measures such as immediate or even delayed implantation, it is particularly important to disinfect the extraction alveolus accordingly. Collapsing of the vestibular bone lamella can be avoided when using together with suitable materials (e.g. TIXXU®PROTECT collagen fleece).

Image:
Dr. Jörg Neugebauer, Landsberg am Lech

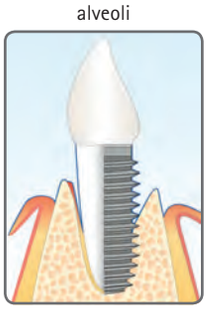
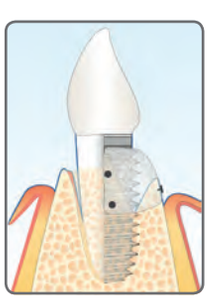



Disinfection of the alveoli

Immediate implantation

During immediate implantation, HELBO® therapy, as a disinfecting measure following tooth extraction, can visibly reduce the occurrence of complications for single tooth restorations (e.g. with SKY elegance) and for full arch restorations (e.g. with SKY fast & fixed).

Image:
Dr. Jörg Neugebauer, Landsberg am Lech

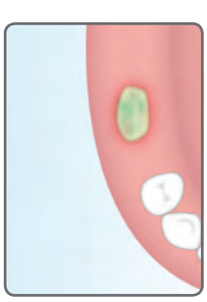
Disinfection

Augmentation

Chronic inflammations frequently lead to bone loss. Before augmentative measures are carried out, the hard and soft tissue infected with bacteria is decontaminated using HELBO®. The bone defect is then filled with bone replacement material (such as TIXXU® GRAFT) and covered with a membrane (e.g. TIXXU® CONTROL). By using this procedure, the risk of inflammation is reduced and controlled regeneration is enabled.

Image: Dr. Sigurd Hafner, Munich

Image: Dr. Sigurd Hafner, Munich



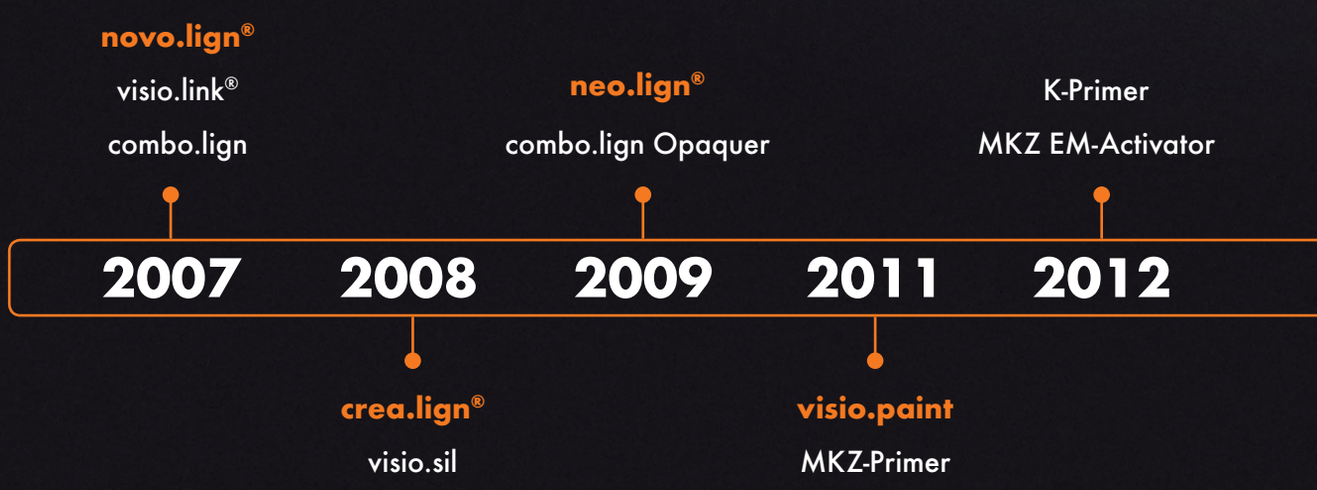
Bone necroses

Intraoperative staining of the biofilm with sterile *Photosensitizer* enables contamination on bones and soft tissue to be visualised and the area to be disinfected using laser radiation. This results in improved wound healing and ensures the success of the surgical measures.

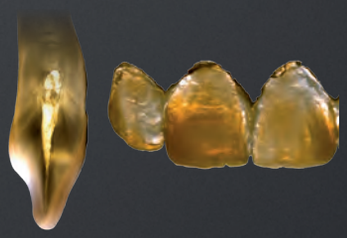
Image:
Dr. Sigurd Hafner, Munich

visio.lign®

The aesthetic and functional system



Coating



crea.lign®

Milling

visio.CAM

Veneering

novo.lign®

Setting up

neo.lign®

Painting

visio.paint

Bonding

bond.lign

Global market leader* in physiological veneers

2013 — **visio.CAM**
L-Design
(novo.lign® & neo.lign®)

2014 — crea.lign® Paste

2016 — **bond.lign**
crea.lign® Paste GUM

2017

*6800 users
1,2 Mio. restorations

bredent group

Chipping repair kit

Chipping often at ceramic-veneerung

Following repair with crea.lign® composite

Instances of chipping are restored easily and quickly

- Primer works together with all prosthetic materials
- crea.lign® incisal masses and dentine (in A2 and A3 for covering in 80 % of all cases)
- 100 treatments with a single chipping repair kit
- No hydrofluoric acid necessary

Chipping Repair Kit for Dentists
REF CLIGNSETA

contains crea.lign® composite in colours A2/A3 including 4 primers and consumables.

Intraoral application

- "mouth approved": approved for intraoral application
- Chipping repair for all veneer materials
- "What you see is what you get": result is immediately visible and adjustable - no kilning required
- Rapid repair in situ: direct and simple

Permanent repairs with no loss of quality

- Material is approved for permanent repairs
- No loss of aesthetics: no colour differences and no "repair transitions" can be detected
- No loss of mechanical properties
- The result is at "supra-ceramic level"

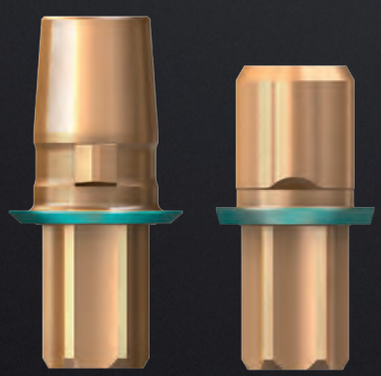
Images of intraoral, permanent repairs

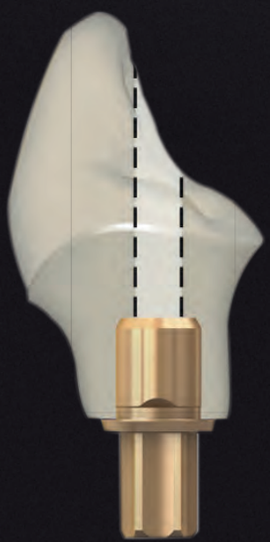
Full Range Bonding Kit

The neat solution for all prosthetic materials

Simple and safe cleaning is ensured by the application of FGP insulation varnish on the parts to be bonded. Areas of inflammation due to adhesive residues are a thing of the past.

Primer for all prosthetic materials
- Titanium, zirconium, NPM – MKZ primer
- Ceramic, lithium disilicate – K primer
- PMMA, composite, BioHPP – visio.link





DTK adhesive
- Opaque (colour A2 / A3) for bonding titanium bases with ceramic abutments or crown abutments – no dark shadows impair the result
- Transparent for bonding ceramic abutments and crowns – no impairment of the translucence.

Fax Order Sheet

Please enter the order amount in the white field

Implants

narrowSKY

	L 8 mm	L 10 mm	L 12 mm	L 14 mm	L 16 mm
3.5 N	nSKY3508	nSKY3510	nSKY3512	nSKY3514	nSKY3516

blueSKY

	L 8 mm	L 10 mm	L 12 mm	L 14 mm	L 16 mm
4.0	BSKY4008	BSKY4010	BSKY4012	BSKY4014	BSKY4016
4.5	BSKY4508	BSKY4510	BSKY4512	BSKY4514	–
5.5	BSKY5508	BSKY5510	BSKY5512	–	–

SKY classic

	L 8 mm	L 10 mm	L 12 mm	L 14 mm	L 16 mm
4.0	KSKY4008	KSKY4010	KSKY4012	KSKY4014	KSKY4016
4.5	KSKY4508	KSKY4510	KSKY4512	KSKY4514	–

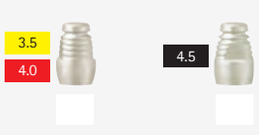
miniSKY

	L 6 mm	L 8 mm	L 10 mm	L 12 mm	L 14 mm
2.8	–	–	m2SKYL10	m2SKYL12	m2SKYL14
3.2	–	m2SK3208	m2SK3210	m2SK3212	m2SK3214
2.8	m1SKYL06	–	m1SKYL10	m1SKYL12	m1SKYL14

whiteSKY

	L 8 mm	L 10 mm	L 12 mm	L 14 mm	L 16 mm
3.5	–	SKY3510C	SKY3512C	SKY3514C	SKY3516C
4.0	SKY4008C	SKY4010C	SKY4012C	SKY4014C	SKY4016C
4.5	SKY4508C	SKY4510C	SKY4512C	SKY4514C	–

whiteSKY Prosthetic coping



SKYCPK40 SKYCPK45

Stamp

Date ..... Signature .....

Fax Order Sheet

Please enter the order amount in the white field

SKY IMPLANT SYSTEM

Surgical and prosthetic instruments

Bone bur / Drill extension / Parallel indicator

SKY-DR41 | SKY-DV12 | SKY-PI22

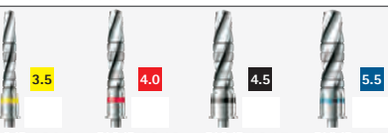
Pilot drill

SKY-DP06 | SKY-DP08

Twistdrill

SKYDT13L | SKYDT23K | SKYDT23L

Drill for hard bone

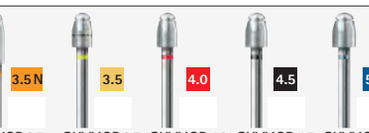


SKYD1235 | SKYD1240 | SKYD1245 | SKYD1255

Drill for medium hard and soft bone

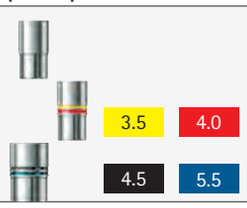
SKYD3435 | SKYD3440 | SKYD3445 | SKYD3455

Crestal drill



SKYCD35n | SKYXCD35 | SKYXCD40 | SKYXCD45 | SKYXCD55

Depth stop



	L 6 mm	L 8 mm	L 10 mm	L 12 mm	L 14 mm	L 16 mm
	SKYXST06	SKYXST08	SKYXST10	SKYXST12	SKYXST14	SKYXST16
3.5 / 4.0	–	SKYS0840	SKYS1040	SKYS1240	SKYS1440	SKYS1640
4.5 / 5.5	–	SKYS0845	SKYS1045	SKYS1245	SKYS1445	–

Implant mounting tool

SKY

SKY-WTK5 | SKY-WTK6 | SKY-STK5 | SKY-STK6

miniSKY

mSKYXWM6 | mSKYXWM7

whiteSKY

SKYC-SM6 | SKYC-WM6

SKY prosthetic key

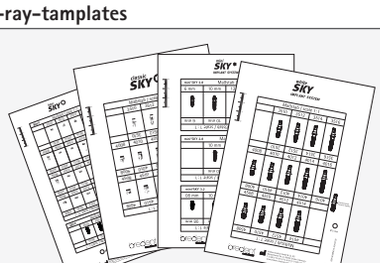
SKY-SD16 | SKY-SD25 | SKY-SD22 | SKY-SD28 | SKYTWCON

SKY Torque Wrench pro

SKYTWPRO

Patient passport / X-ray-tamplates

000 514 0D



Scale	1 : 1	1.12 : 1	1.26 : 1
blueSKY/narrowSKY	bSKYMS01	bSKYMS12	bSKYMS26
SKY classic	kSKYMS01	kSKYMS12	kSKYMS26
miniSKY	mSKYMS01	mSKYMS12	mSKYMS26
whiteSKY	SKYMS01C	SKYMS12C	SKYMS26C

Stamp

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Prosthetics – Immediate and late restoration

For narrowSKY approved prosthetic components
rose gold anodised

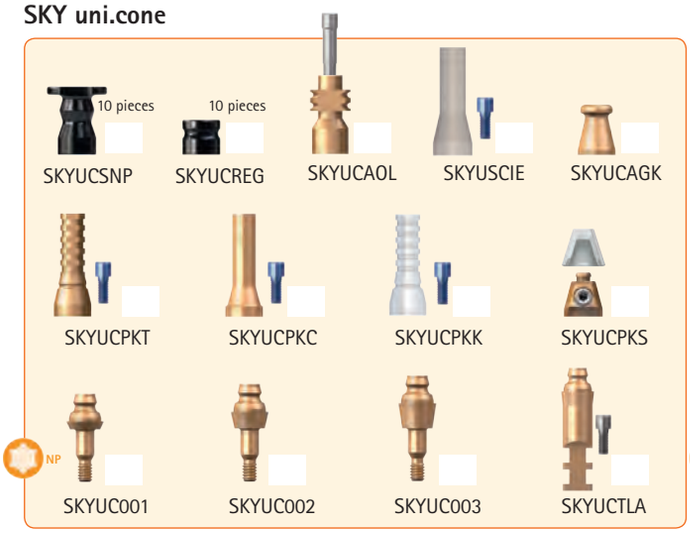
Prosthetic components not suitable or
not approved for narrowSKY

**BioHPP SKY elegance
Immediate restoration**

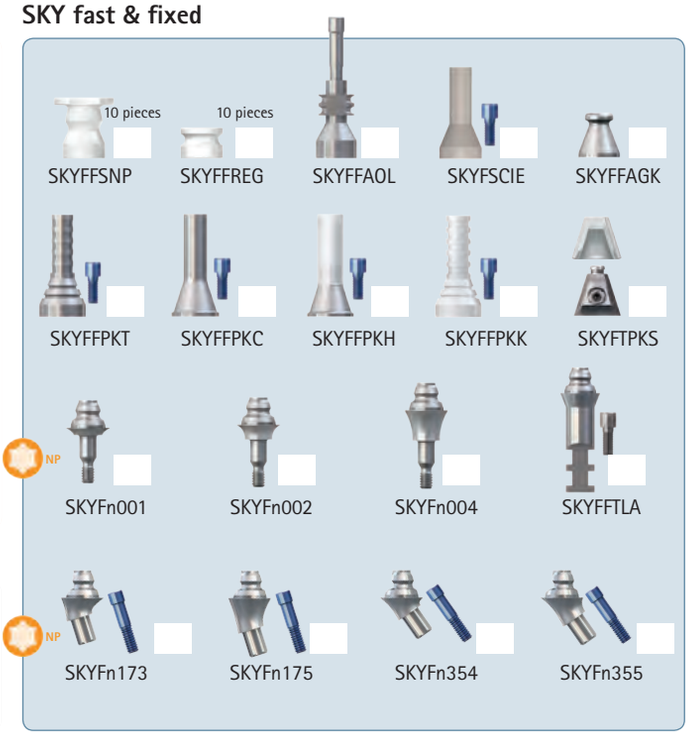
**BioHPP SKY elegance
titanium base**

BioHPP SKY elegance prefab set

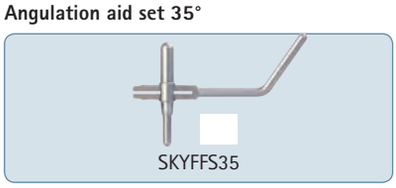
SKY uni.cone



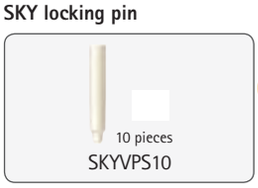
SKY fast & fixed



Angulation aid set 35°

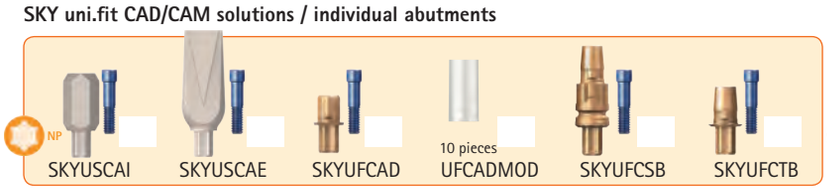


SKY locking pin



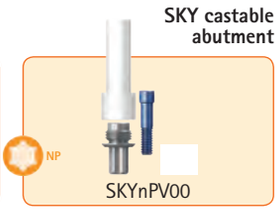
Individual solutions for CAD/CAM – conventional

SKY uni.fit CAD/CAM solutions / individual abutments



SKY prefab titanium set

SKY castable abutment



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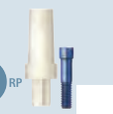
SKY IMPLANT SYSTEM

Classic implantology

Implant analog

SKY-IA40

SKY temp



SKYTEMPS SKYTEMPM SKYTEMPL

SKY impression abutments

SKYnPAS2 SKYnPAM2 SKYnPAL2 10 pieces SKYnPAKA

SKYnPAS1 SKYnPAM1 SKYnPAL1

SKY esthetic gingiva former

SKYESG02 SKYESG03 SKYESG04 SKYESG06

SKYEMG02 SKYEMG03 SKYEMG04 SKYEMG06 SKYELG02 SKYELG03 SKYELG04

SKY esthetic abutments

SKYnES00 SKYnES15 SKYnES16

SKY-EM00 SKY-EM15 SKY-EM16 SKY-EL00

SKY Titanium abutments

SKYnPO00 SKYnPO15 SKYnPO16 SKYnPO25 SKYnPO26

SKY prosthesis fixation

SKY Locator

LOCZAB01 LOCZAB02 LOCZAB03 LOCZAB04 LOCZAB06

SKY Locator anglet

LOCAB172 LOCAB352

SKY Locator

2 Sets LOCLAB10 2 Sets LOCLAB20

TiSi.snap

TISI0Y31 TISI0Y51 TISI0Y53

TiSi.snap anglet

TISIAY17 TISIAY35

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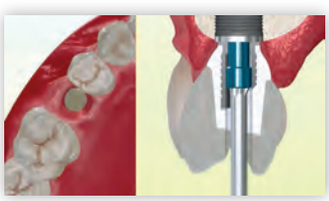
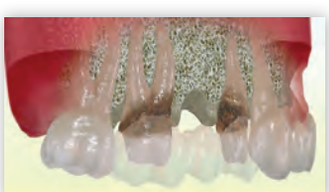


Late implantation and immediate restoration

Delayed implantation and immediate restoration

Immediate implantation and immediate restoration

SKY fast & fixed - 3D animation



The conventional bridge - and then...

This QR code takes you straight to the videos

Link to the videos
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SKY fast & fixed

with nerve course, gingiva mask and temporary bridge

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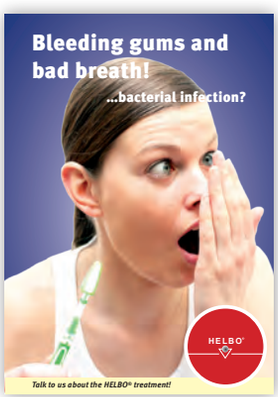

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REF 992 9710 D REF 992 971 GB

Authors: Dr. Georg Bayer
Dr. Frank Kistler
Dr. Steffen Kistler
Stephan Adler
Dr. Jörg Neugebauer

The guide to modern implant prosthetics

REF 992 9700 D REF 992 970 GB

Authors: Dr. Manfred Lang

The implantation simulator

REF 992 9690 D REF 992 969 GB

Authors: Dr. Manfred Lang

Sinuslift

REF 992 9680 D REF 992 968 GB

Authors: Dr. Manfred Lang

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REF 992 9740 D REF 992 974 GB

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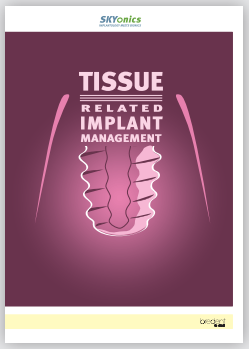

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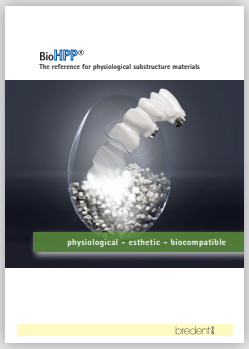

BioHPP - The reference
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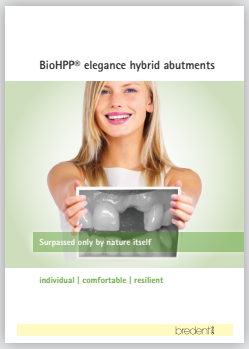

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