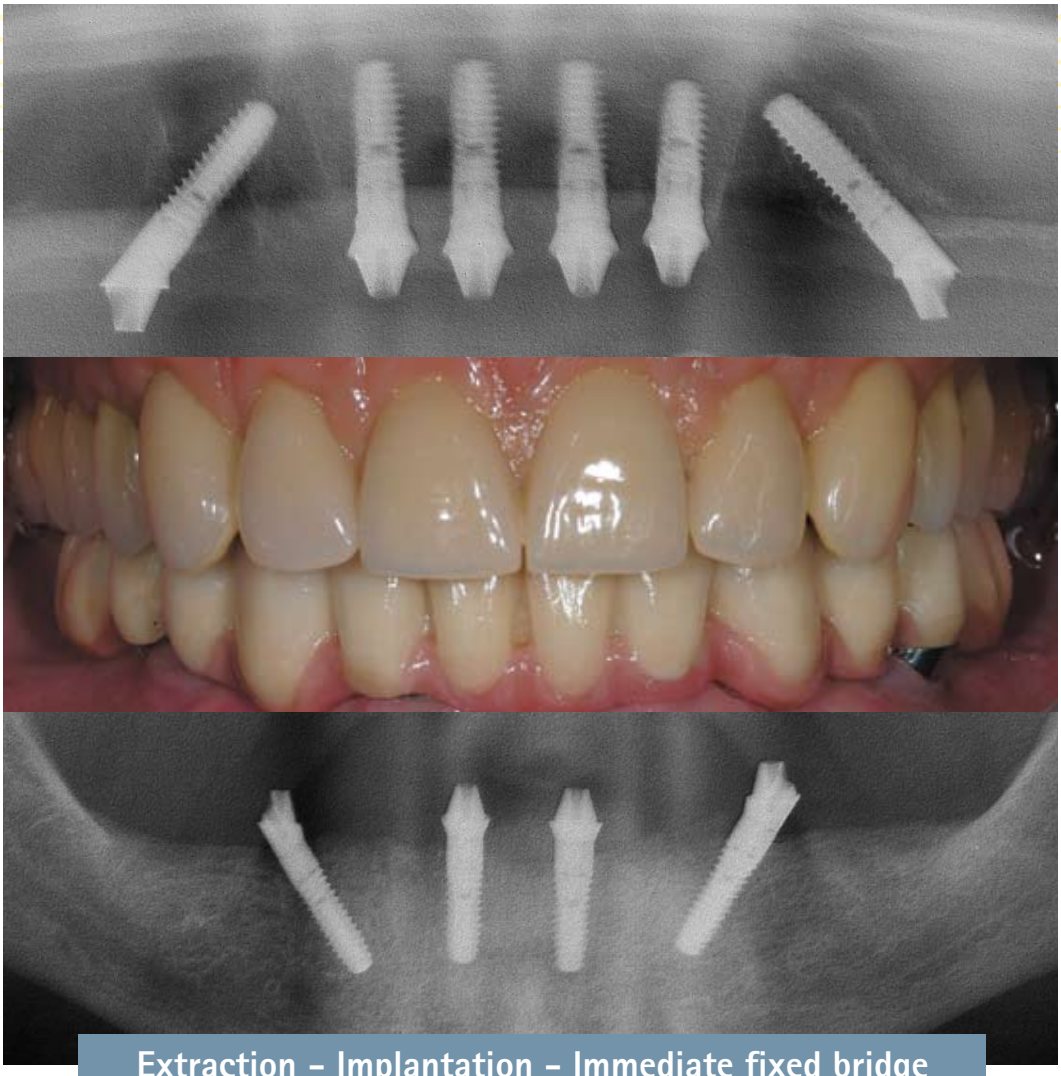
SKY
IMPLANT SYSTEM

SKY fast & fixed



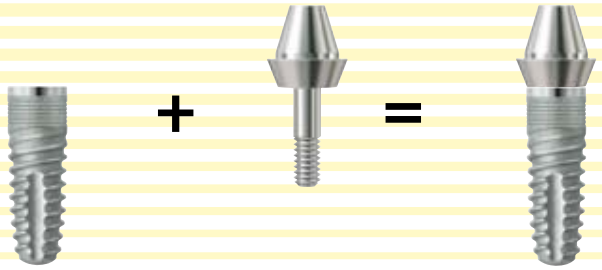
Extraction – Implantation – Immediate fixed bridge

bredent
medical

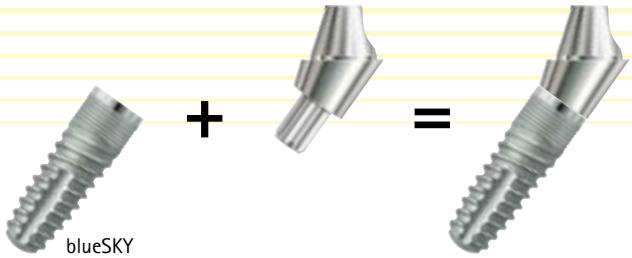
SKY fast & fixed

Fixed bridges for immediate restorations

The SKY fast & fixed system components with 0° and 35° angled abutments have been especially developed for primary splinted structures to allow fast fabrication of occlusal screw-retained temporaries for immediate treatment of patients. In conjunction with the new, state-of-the-art blueSKY titanium implant from bredent medical with sandblasted and etched surface, successful implant placement is guaranteed.



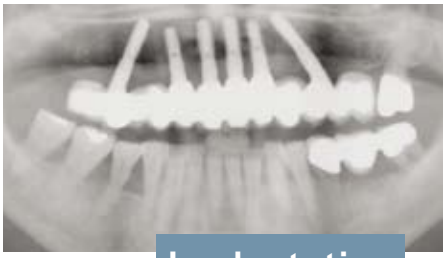
35° angled abutments offer more space to use local bone and hence contribute essentially to achieving long-term success of the implant.



A growing number of patients with considerably damaged residual dentition refuse to have implants placed because of the fear of temporary absence of teeth. SKY fast & fixed allows the implatological team to offer such patients fixed restorations at a fixed price. This type of restorations which can be completed quickly and at an affordable price convinces even those patients who have such fears or can not do without functional and aesthetic restorations due to their positions in public life.

Oral situation when entering the practice 09:00

Extraction



Implantation

Patient upon leaving the practice on the same day 15:00

Fixed bridge

Advantages:

- Scientific studies have shown that implants placed into the local bone have a higher survival rate than augmented implants.
- Enhanced posterior support of the fixed restoration by the angled implants ensures long-term success of the implant restoration.
- Since abutments are integrated into the implants during surgery, no additional surgery is required - this way patients will save time and money.
- Bone loss caused by the micro-gap is reduced since implants are practically rendered into single-component implants thanks to immediate integration of the abutments.

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Examples of clinical cases

Immediate fixed bridge whilst avoiding sinus lift procedure/ Dr. Bayer, Dr. Kistler and Mr. Adler (dental technician), Landsberg am Lech

After extracting the two cuspids...

...the pilot drillings were performed.

The parallel indicators clearly show 35° angulation ...

... for support in the region of the first molar (photos 1-4).

Fabricating an acrylic bridge for immediate loading / Laboratory procedure Mr. Adler (dental technician), Landsberg am Lech

Prior to the date of surgery a diagnostic setup is prepared.

The setup was exclusively made from acrylics in a reduced size.

After the insertion of the implants, the technician received an impression of the new situation.
The fast & fixed abutments were screwed on and the rough spots were ground.

After sealing the screw channels, (e.g. with wax) the restoration was completed using resin material.

Case with drilling template/ Dr. Nickig and Stachulla & Liedke, Augsburg

Three-dimensional planning and the use of a drilling template are recommended to support the insertion along the sensitive anatomical structures.

The FRP system from bredent medical (additional info in the separate FRP brochure) is used to fix the scanning and drilling templates.

Three FRP auxiliary screws safeguard exact positioning but also allow removal and reintegration during surgery to offer increased reliability and flexibility. The four blueSKY implants are inserted using the flapless method.

The FRP auxiliary screws were removed after the insertion.

bredent medical would like to express their gratitude to Dr. Bayer, Dr. Kistler and Mr. Adler (dental technician) Landsberg, Dr. Nickig Augsburg, Dr. Sierch, Augsburg and Labor Stachulla & Liedtke, Augsburg/Mühlheim for providing the illustrative material.

Four straight fast & fixed abutments in the front and two 35° angled fast & fixed terminal abutments correct divergences.

After taking the impression on the level of the abutments...

...the temporary bridge was fabricated in the laboratory...

...and integrated into the mouth of the patient.

The use of glass fiber or a wire clasp is recommended to increase the stability.

During finishing the protruding abutment „tubes" were adapted to the bridge design.

The basal area should not have any recesses or edges and fine high luster polishing must be ensured.

After the insertion, the screw channels are sealed e.g. with composite.

The SKY fast & fixed Abutments became integral parts of the implant and elevate the crestal implant surface supragingivally.

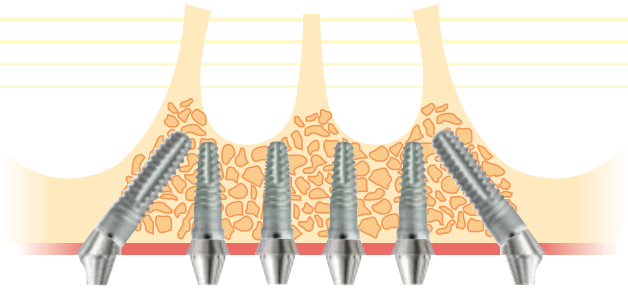
The impression was taken on the level of the abutments.

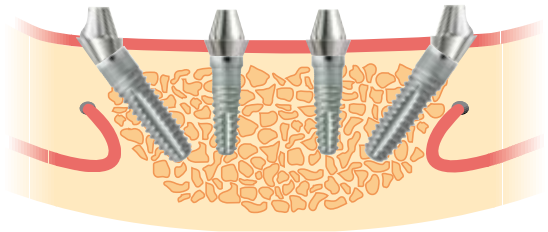
The implant position is predetermined by the drilling template; accordingly, the denture for the patient could be ground during surgery.

The use of the denture as an individual tray for the open impression allowed reworking to obtain the bridge on the model whilst avoiding stress on the patient.

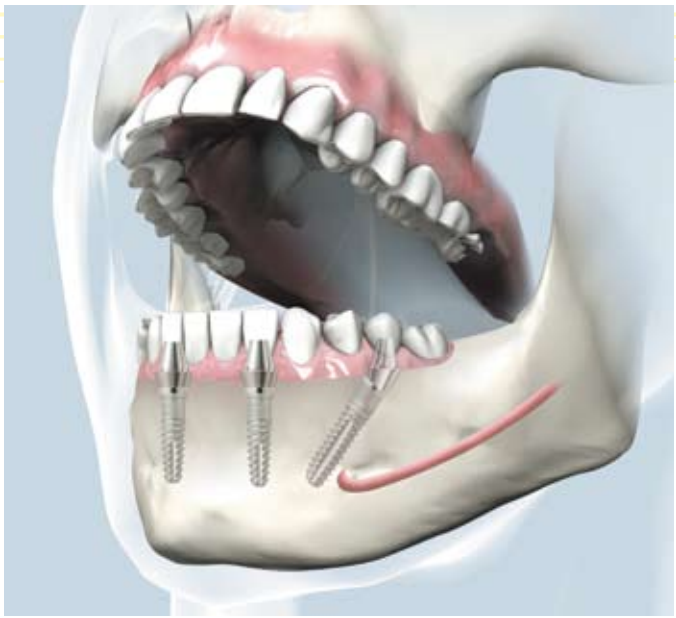
Making optimal use of the local bone

Insufficient maxillary bone height in the area of the sinuses frequently excludes implant placement. Thanks to the **blueSKY** implants that are inserted in an angled position along the sinus, the terminal abutment is distalized in the region of the first molar and hence allows a perfectly supported bridge restoration.





The implanted **blueSKY** titanium implants are particularly suited for the fast & fixed treatment concept even if the implant position is below the bone level in the mandible. The tripolar surface of the innovative implant (machined rim with a height of 0.5 mm, followed by a macro-structured etched area with a height of 0.2 mm and an implant body with innovative double thread and sandblasted and etched surface) stabilizes the bone at a high level and thus increases the primary stability of the inserted implants considerably.



In patients who have been edentulous over a longer period, residual mandibular bone height above the mandibular channels is frequently insufficient. Consequently, the implant positions are limited to the area between the foramina mentalis. The „classic" removable restorations with implants in regions 2 and 4 are selected. By making use of the local bone, SKY fast & fixed allows to obtain a statically favorable position of the abutments.

Preconditions

for the successful use:

- Experienced implantologist with expertise in surgery
- Flexible dental technician who can quickly adapt to the respective situation

Ideally, the dental laboratory should be close to the practice (in the same building).

Literature:

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Fischer K, Sternberg T. Early loadingof ITI implants supporting a maxillary full-arch prosthesis: one Year data of a prospective, randomised study. Int J Oral Maxillofac Implants 2004; 19:374-381

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Dr. Frank Kistler und Dr. Stefen Kistler, all-on-four, neu Philosophie bei der implantologischen Versorgung im zahnlosen Kiefer. BZB/BLZK & KZVB, April 2005

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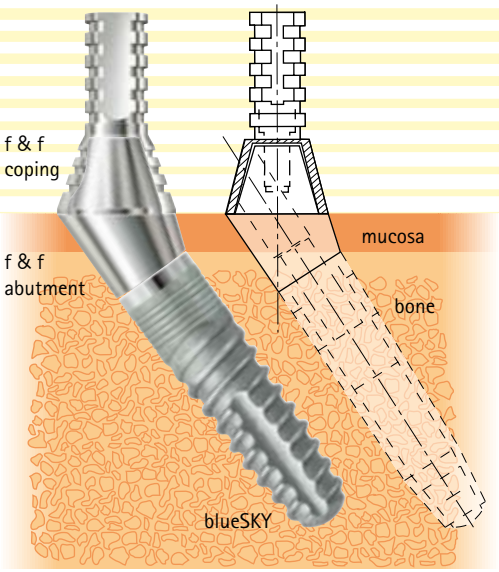
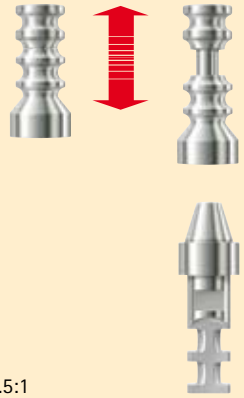
SKY fast & fixed system components

Impression and model fabrication





SKY f & f impression coping
with integrated screw
1 piece
Order No. SKYFF0AK

SKY f & f laboratory analog
1 piece
Order No. SKYFF0LA

Fig. M = 1.5:1

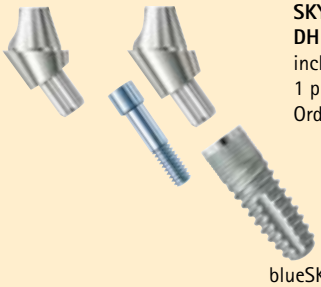
SKY fast & fixed abutments and copings

SKY f & f abutment 0°
DH 2 mm
with integrated screw
1 piece each
Order No. SKYFF002

Fig. M = 1.5:1

SKY f & f prosthetic coping, titanium
with screw M 1.4
1 piece each
Order No. SKYFFPKT

SKY f & f abutment 35°
DH 4 mm
incl. screw 2.2
1 piece each
Order No. SKYFF354



SKY f & f abutment 35°
DH 5 mm
incl. screw 2.2
1 piece each
Order No. SKYFF355

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