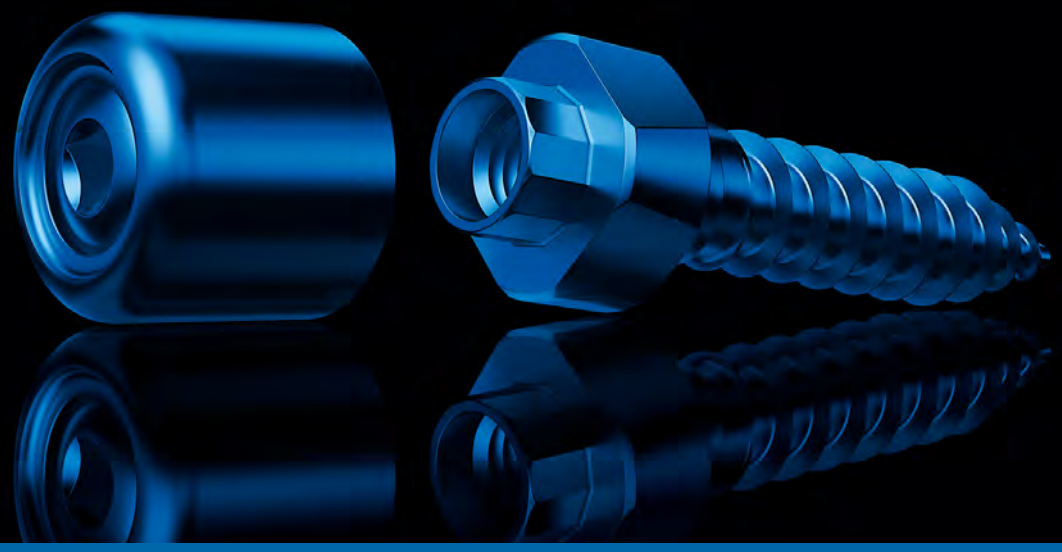
psm
MEDICAL SOLUTIONS

BENEfit®-System . Handout

Prof. Dr. Benedict Wilmes | Düsseldorf



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INTRODUCTION | EINFÜHRUNG

Skeletal anchorage in Orthodontics

An important requirement for successful orthodontic treatment is stable anchorage. Conventional orthodontic anchorage can be limited by periodontal disease and/or missing teeth. Skeletal anchorage has been proven to be very effective. It can be an essential part of non-compliance therapy and broadens the options available to the orthodontic practitioner.

Mini-Implants are especially advantageous because of the minimally invasive insertion protocol and their relatively low cost.

However, limitations can occur when conventional Mini-Implant Systems are used for orthodontic anchorage. In collaboration with leading specialists, ***psm*** has developed the unique ***BENEfit®*** TAD System for temporary fixation in the palate. ***BENEfit®*** offers high precision titanium implant screws and a large variety of prefabricated connecting parts such as ***BENEplates***, abutments and palatal expanders.

With the introduction of the ***BENEfit®*** System ***psm*** has considerably enhanced the therapeutic diversity of the treatments available for Mesialization, Distalization, RPE as well as uprighting or anchorage of the dentition.

With ***BENEfit®***, ***psm*** was the first company to offer a full range of skeletal anchorage appliances for the palate – a trend that has become state-of -the-art in Orthodontics.

Skelettale Verankerung in der Kieferorthopädie

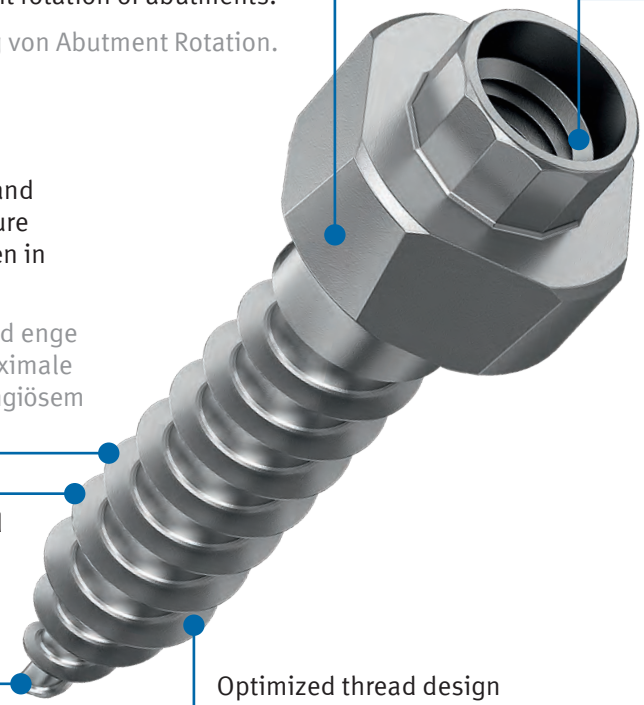
Eine wichtige Voraussetzung für eine erfolgreiche kieferorthopädische Behandlung ist die hinreichend stabile und belastbare Verankerung. Die skelettale Verankerung hat sich hierfür in den letzten Jahren durchgesetzt und nicht zuletzt wegen ihrer Unabhängigkeit von der Patientencompliance das Behandlungs-Spektrum der Kieferorthopädie enorm erweitert.
Unter den verschiedenen skelettalen Verankerungssystemen haben sich mittlerweile insbesondere die Mini-Implantate aufgrund ihrer geringen chirurgischen Invasivität und der relativ geringen Kosten etabliert.

Jedoch stößt man bei den herkömmlichen Mini-Implantat-Systemen bisweilen an Grenzen, wenn es um die Verbindung vom Mini-Implantat zur kieferorthopädischen Apparatur geht. ***psm*** hat in Zusammenarbeit mit führenden Spezialisten das einzigartige ***BENEfit®*** Implantat System für die temporäre Verankerung im Gaumen entwickelt. ***BENEfit®*** bietet hochpräzise Implantatschrauben aus Titan und eine Vielzahl an vorkonfektionierten Verbindungsteilen wie ***BENEplates***, Abutments und Gaumenexpandern.

Mit der Einführung des ***BENEfit®*** Systems vor über 10 Jahren hat ***psm*** die therapeutische Vielfalt mit Behandlungsoptimierungen u.a. bei der Mesialisierung, Distalisierung, GNE sowie der Verschiebung und Verankerung von sämtlichen Zähnen erheblich verbessert.

Mit dem ***BENEfit®*** System war ***psm*** das erste Unternehmen, das ein rein knochengetragenes, palatinales Verankerungssystem angeboten hat, welches sich heutzutage als State-of-the-art in der Kieferorthopädie durchgesetzt hat.

BENEfit® MINI IMPLANT | BENEfit® MINI IMPLANTAT



Double hexagon to prevent rotation of abutments.

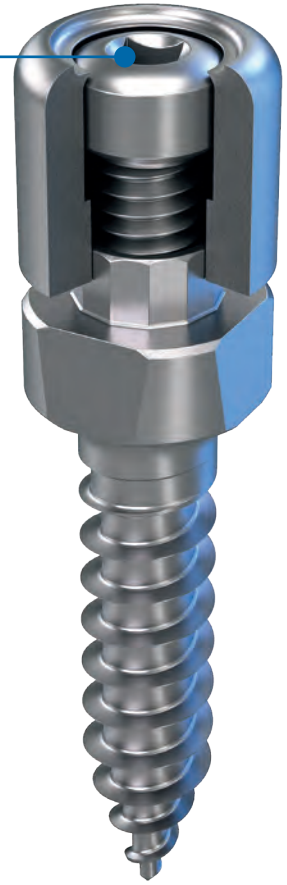
Zwölfkant zur Vermeidung von Abutment Rotation.

Internal thread for BENEplate fixation screw or the abutment screw.

Innengewinde für den Einsatz der BENEplate Fixierschraube oder der Abutmentschraube.

Non removable internal abutment screws.

Fest integrierte Abutmentschraube.



Increased thread depth and denser pitch design ensure maximum anchorage even in cancellous bone.

Tiefe Gewindeflanken und enge Gewindesteigung für maximale Verankerung auch in spongiösem Knochen.

Continously sharp thread flanks cut into the bone.

Durchlaufend scharfe Gewindespitzen.

Selfdrilling screw tip.

Selbstbohrende Schraubenspitze.

Optimized thread design leads to easy insertion without force (cork screw principal).

Optimiertes Gewindedesign ermöglicht leichtes Inserieren ohne Druck (Korkenzieherprinzip).

Ø1,5 / Ø1,8

Ø2,0

Ø2,3

SCREWDRIVER | SCHRAUBENDREHER

Standard contra-angled handpiece with DIN connector

handelsübliches Winkelhandstück mit DIN Anschluss

10-63025

Manually turned unit for contra-angled handpieces

Manueller Drehansatz für Winkelhandstücke

33-18232 – 23mm
33-18233 – 28mm
33-18237 – 33mm

Screwholder for contra-angled handpiece

Schraubenhalter für Winkelhandstück

33-54704

Manually turned unit mod. aac. to Pauls, with adjustable torque from 0 - 40 Ncm

Manueller Drehansatz mod. nach Pauls, mit einstellbarem Drehmoment von 0 - 40 Ncm

33-9000-00

Battery Screwdriver

Akku Schraubendreher

SCREW REMOVAL | SCHRAUBEN ENTNAHME

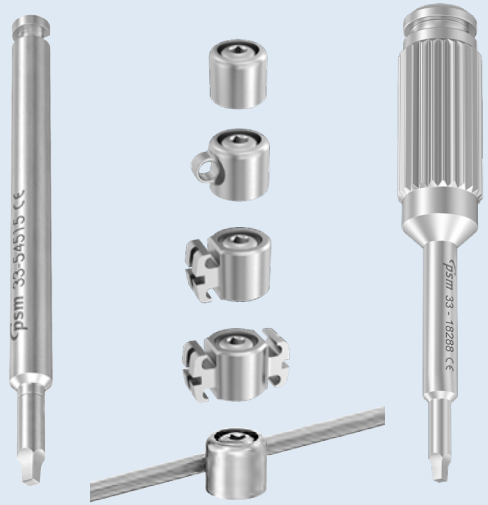
Direct screw removal from the sterile holder.

Entnahme der Schraube direkt aus der Sterilhalterung.

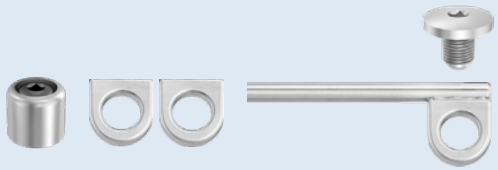
SCREWS & ABUTMENTS | SCHRAUBEN & ABUTMENTS

BENEfit® Mini Implants
BENEfit® Mini Implantate

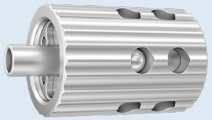
Abutments
Abutments



Connection with the appliance
Verbindung mit der Apparatur

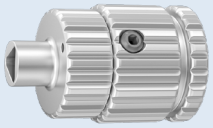


Manual Screwdrivers
Manuelle Schraubendreher

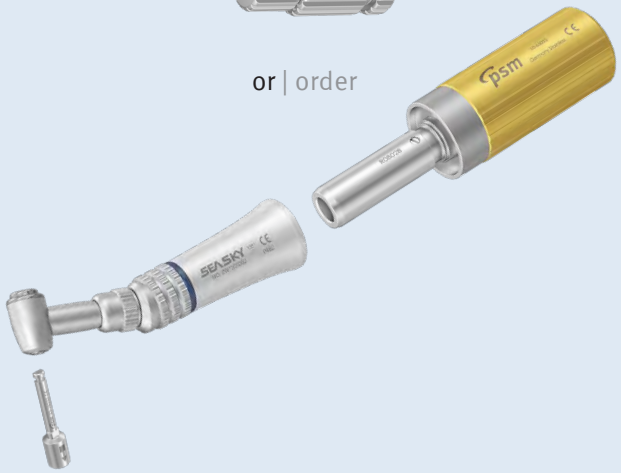


with limited torque (10 Ncm)
mit begrenztem Drehmoment (10 Ncm)

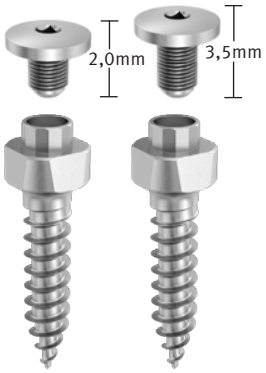
or | order



or | order



SCREWS & ABUTMENTS | SCHRAUBEN & ABUTMENTS



Fixation screw
Fixierschraube

Impression cap
Abdruckkappe

PEEK Abutment with fixation screw
PEEK Abutment mit Fixierschraube

Standard Abutment
Standard Abutment

Abutment with loop acc.to Dr. S. Renger, St. Louis, France
Abutment mit Öse nach Dr. S. Renger, St. Louis, Frankreich

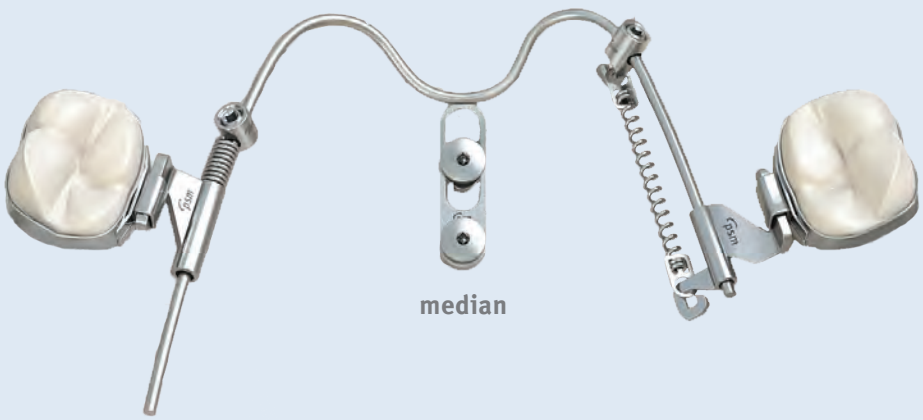
Abutment with 1 or 2 brackets
Abutment mit 1 oder 2 Brackets

Standard Abutment with 1,1mm wire (12cm)
Standard Abutment mit 1,1mm Draht (12cm)

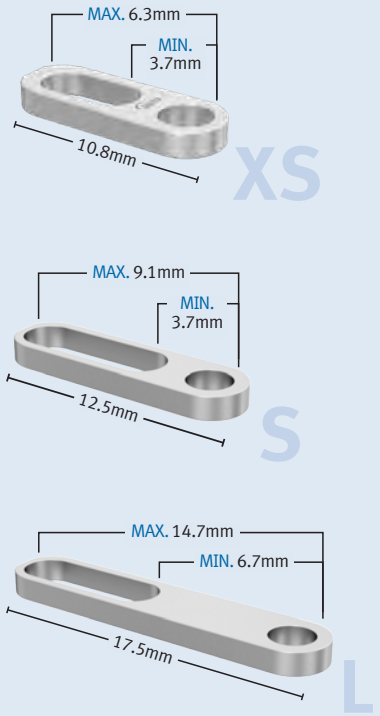
BENEfit®-System | BENEfit®-System

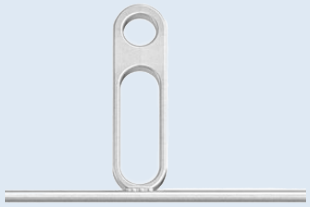
BENEslider mesial/distal

BENEslider mesial/distal



beneplate





median

paramedian

Ordering information on page 51
Bestellinformationen auf Seite 51

Wilmes B., Drescher D.
Benefit – A mini-implantat system with interchangeale abutments.
J Clin Orthod 2008; 42:574-580

Wilmes B., Drescher D., Nienkemper M.
Beneplate – A miniplate system for improved stability of
skeletal anchorage. J Clin Orthod 2009; 43:494-501

ADAPTATION | ANBIEGEN

The *BENEslider*

The most classical indication for skeletal anchorage using Mini-Implants with abutments is molar-distalization and mesialization in the maxilla. By means of the so called "***BENEslider***" the molars can be bodily distalized or mesialized using the Mesialslider. In many cases, tooth extraction or dental implants can be avoided.

To couple two ***BENEfit®*** Mini-Implants, a ***BENEplate*** with a welded wire is connected to the implants and the ***BENEslider*** parts (mobilizer, springs, ***BENEtube***) are placed on the wire. Active force is applied by springs (240g or 500g) and activated with the Mobilizer.

Der *BENEslider*

Eine der klassischen Indikationen für eine skelettale Verankerung und insbesondere für Mini-Implantate mit Abutments stellt die Molarendistalisierung/-mesialisierung im Oberkiefer dar. Mittels des so genannten „***BENEslider***" können die Molaren körperlich distalisiert werden. Mit Hilfe des Mesialsliders werden Zähne körperlich mesialisiert. So kann in vielen Fällen die Extraktion von bleibenden Zähnen und/oder dentale Implantate vermieden werden.

Zur Verbindung zweier ***BENEfit®*** Mini-Implantate wird eine ***BENEplate*** mit Draht auf die Implantate geschraubt und die ***BENEslider*** Teile (Mobilisator, Federn, ***BENEtube***) auf den Draht aufgesteckt. Die ausführende Kraft wird über eine Feder (240g oder 500g) mittels Mobilisator aktiviert.

SKELETAL ANCHORAGE | SKELETTALE VERANKERUNG

Anaesthesia:
Two paramedian depots

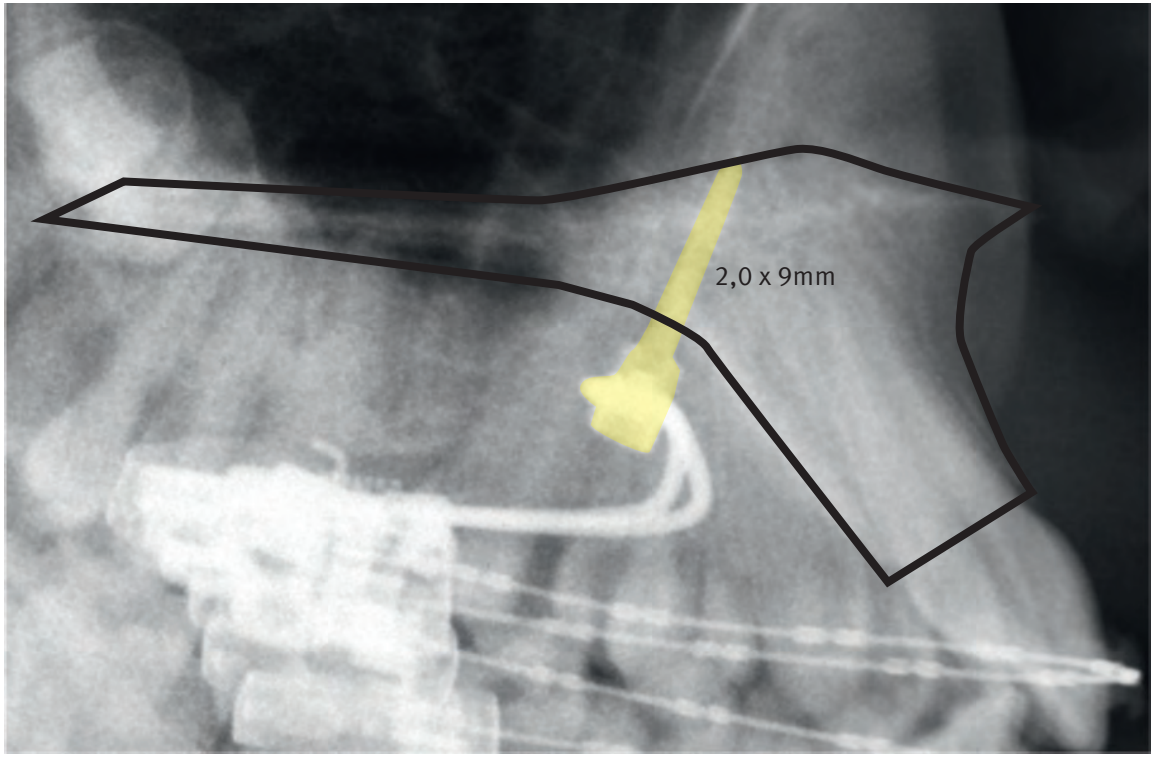
Anästhesie:
Zwei paramediane Depots

Pre-drilling:
approx. 3mm deep
(only required for adults)

Vorbohrung:
ca. 3mm tief
(nur bei Erwachsenen erforderlich)

Implant Insertion:
easy and secure insertion by the orthodontist

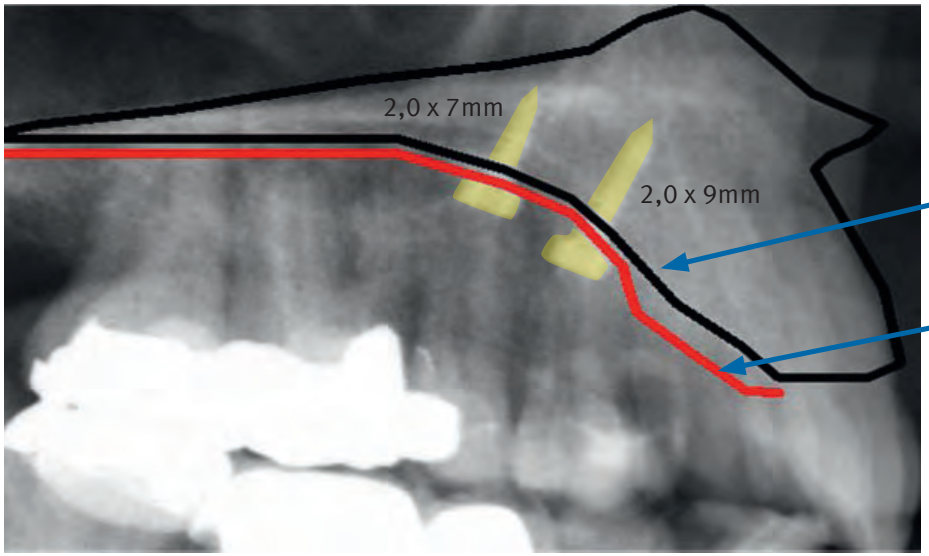
Implantatinsertion:
Einfaches und sicheres Implantieren durch den Kieferorthopäden



Standard dimension of a palatal mini-implant

Standard Größe des palatinalen Mini-Implantates

SKELETAL ANCHORAGE | SKELETTALE VERANKERUNG



Mini implant sizes at median insertion

Mini-Implantat Größen bei medianer Insertion

posterior Mucosa app. 1 mm

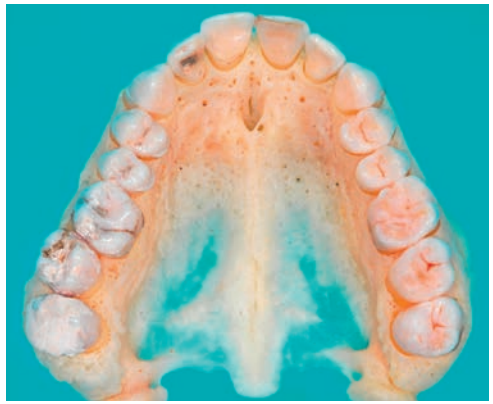
Mukosa posterior ca. 1 mm

anterior Mucosa > 3 mm

Mukosa anterior ca. 3 mm

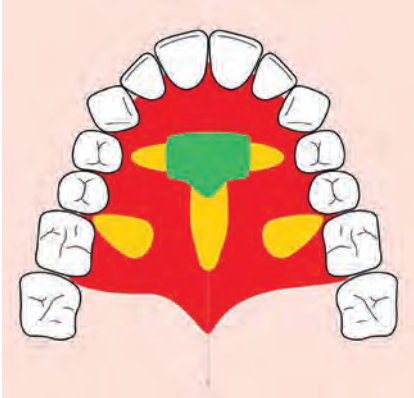
Distance of the mini implants: 7 - 14 mm

Abstand der Mini-Implantate: 7 - 14 mm



Best insertion area

Bevorzugtes Insertionsgebiet



T-Zone

T-Zone

Median insertion

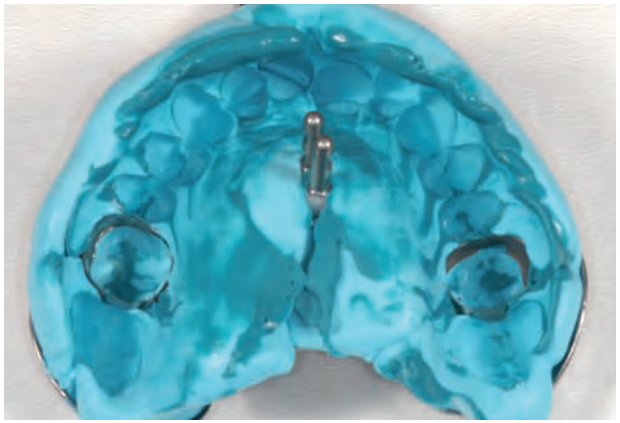
Mediane Insertion

Paramedian insertion

Paramediane Insertion

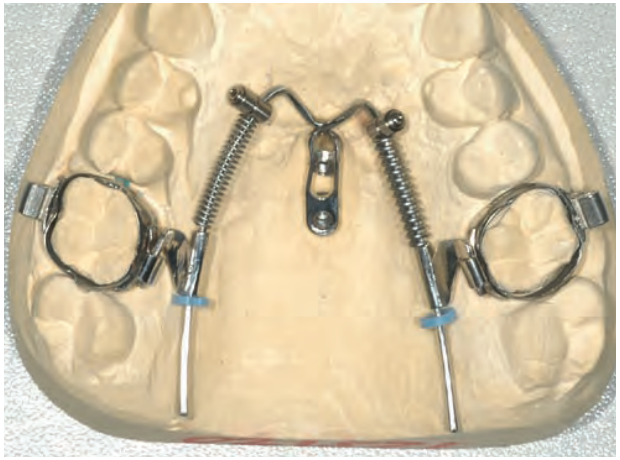
Ludwig B, Glasl T, Bowman J, Wilmes B, Kinzinger G, Lisson G. Anatomical Guidelines for Miniscrew Insertion: Palatal Sites. J Clin Orthod. 2011:45(8):433-441

ADAPTATION IN THE LABORATORY | HERSTELLUNG IM LABOR



33-54410
Impression cap, 1 ea.
Abdruckkappe , 2 St.

33-54426
Laboratory analog, 1 ea.
Laborimplantat (Analog), 2 St.



VERSATILE USAGE OF TAD´S | ANWENDUNGSBEISPIELE

Molar Distalization
Molaren Distalisierung

BENEslider
BENEslider

Pendulum B
Pendulum B

Molar Mesialization
Molaren Mesialisierung

Mesialslider
Mesialslider

T-Bow
T-Bogen

RPE (and facemask) Hybrid-Hyrax
Hybrid Hyrax (GNE)

Alignment of retained teeth
Einordnung retinierter Zähne

Temporary pontics
Temporärer Zahnersatz

Molar Uprighting
Molarenaufrichtung

BENESLIDER | BENESLIDER

33-54543

Micro Mobilisator
Micro Mobilisator

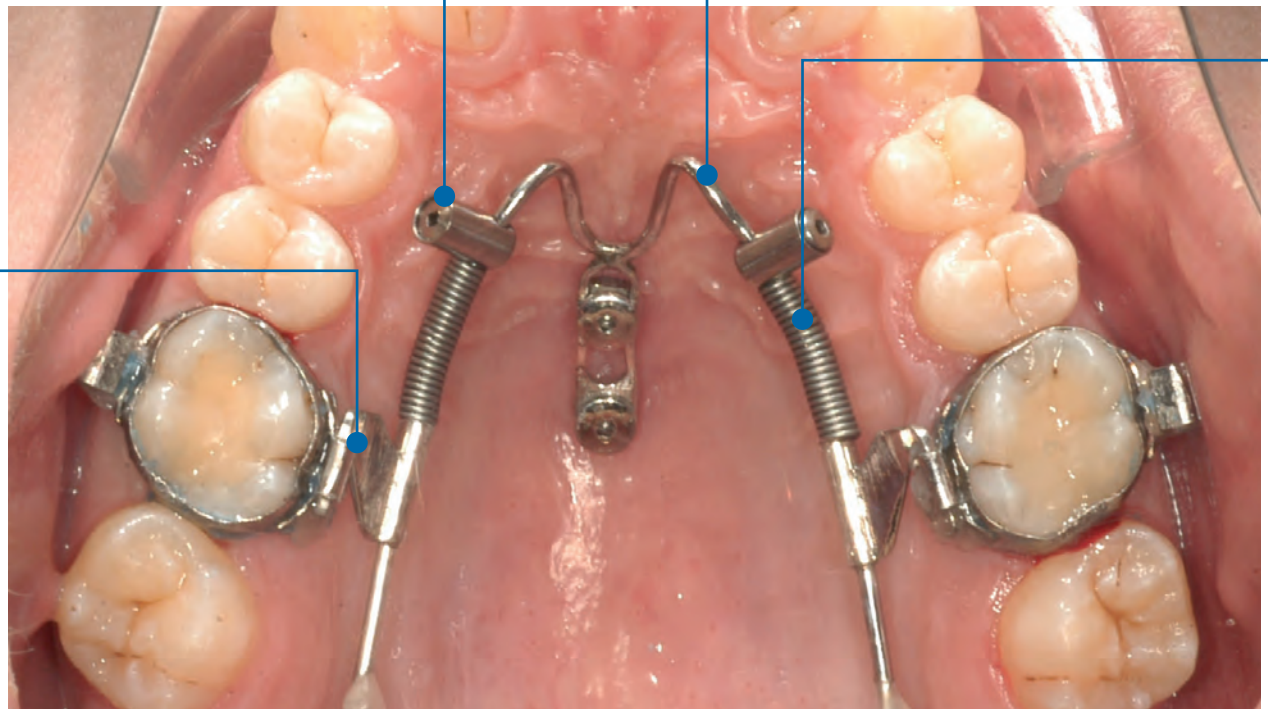
33-54540

Mobilisator
Mobilisator

33-54409

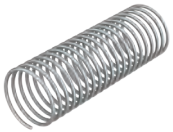
BENEplate
with 1.1 mm wire

BENEplate
mit 1,1 mm Draht



33-54536

BENEtube
BENEtube



33-54524

Adolescent: 240 g NiTi coil spring
Jugendliche: 240 gr. NiTi Federn

33-54525

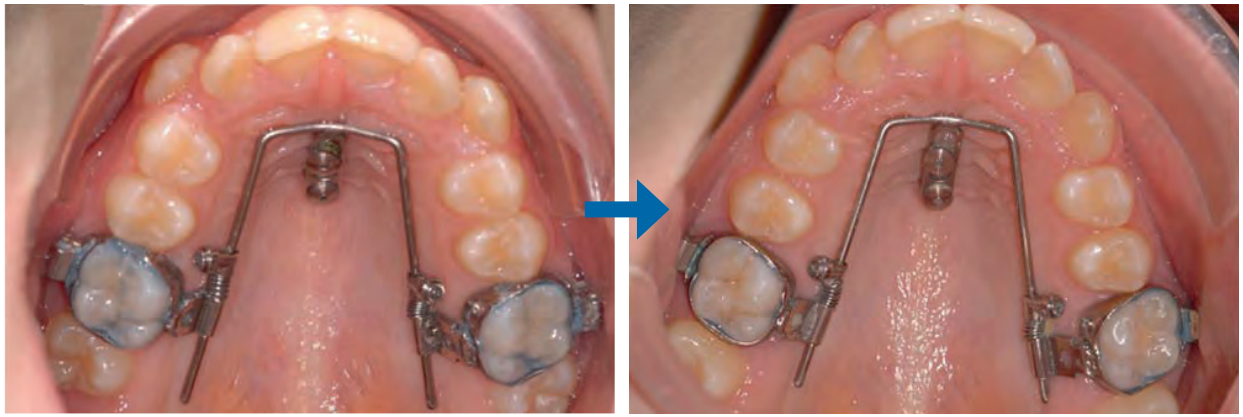
Adults: 500 g NiTi coil spring
Erwachsene: 500 gr. NiTi Federn

BENESLIDER | BENESLIDER

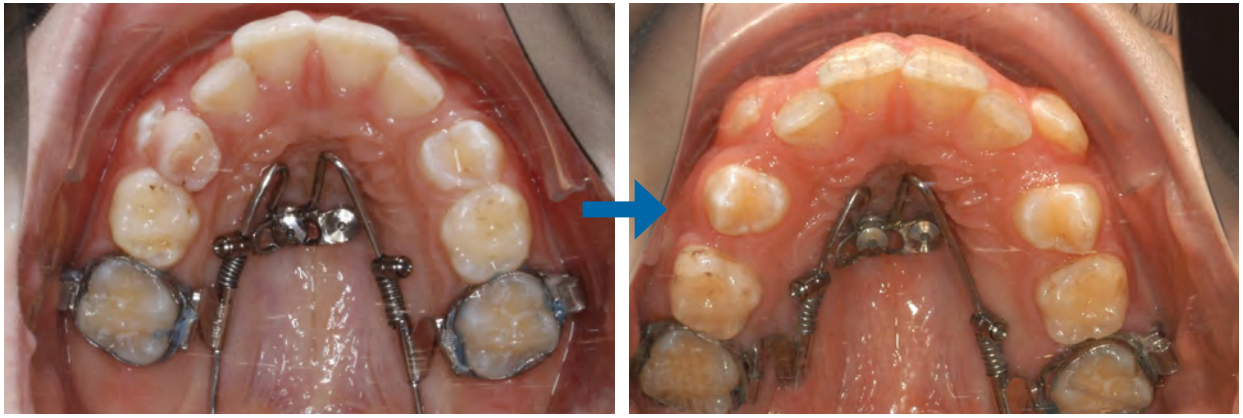
beneplates

BENEplate with 1.1 mm stainless steel wire

BENEplate mit 1,1 mm Draht aus nichtrostendem Stahl



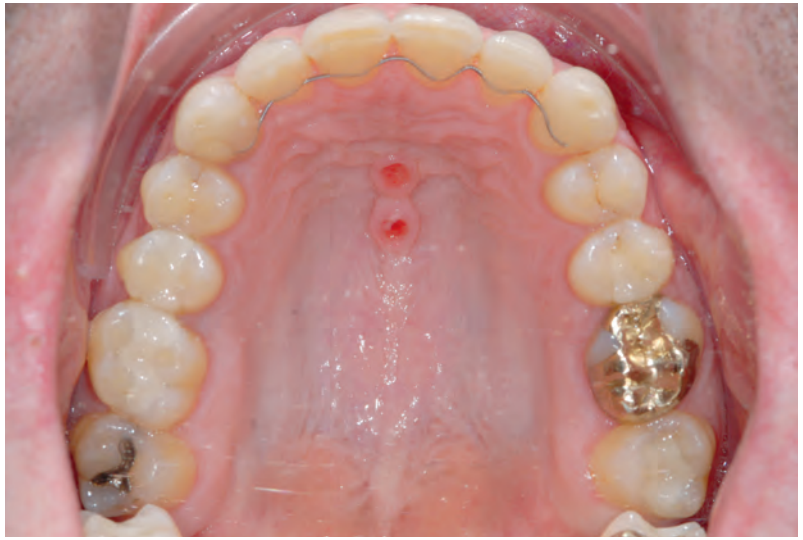
5.5 months later | 5,5 Monate später



7 months later | 7 Monate später

Wilmes B, Nienkemper M, Ludwig B, Kau CH, Pauls A, Drescher D. Esthetic Class II Treatment with the Beneslider and Aligners.JCO 2012.46:390-8
Wilmes B, Drescher D., Application and eff ectiveness of the Beneslider. A device to move molars distally. World J Orthod 2010;11:331–340

BENESLIDER WITH LINGUAL BRACES | BENESLIDER MIT LINGUALBRACKTES



Wilmes B, Neuschulz J, Safar M, Braumann B, Drescher D. Protocols for combining the Beneslider with lingual appliances in Class II treatment.
J Clin Orthod. 2014;48:744-52

BENEFIT WITH ALIGNERS| BENEFIT MIT ALIGNER

beneplates

33-54544

Banach Tube
stainless steel

Banch Tube
Stahl

Wilmes B, Schwarze J, Vasudavan S, Drescher D. Combination of aligners and Beneslider for correction of severe midline deviations. J Clin Orthod

PENDULUM B | PENDULUM B

beneplates

BENEplate
with 0.8 mm stainless steel wire (33-54428)
or **TMA** (33-54420)

BENEplate
mit 0,8mm Stahldraht (33-54428)
oder **TMA-Draht** (33-54420)

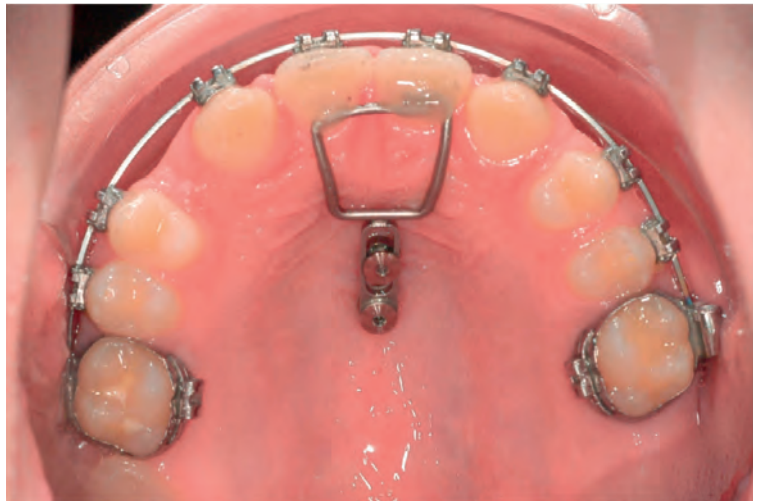
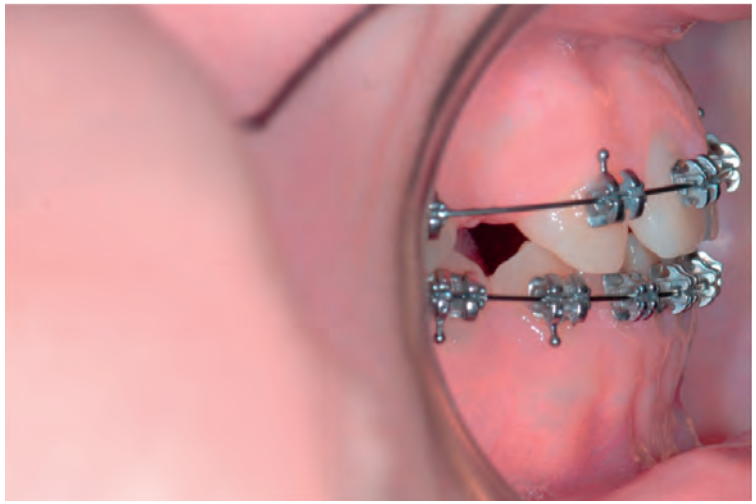
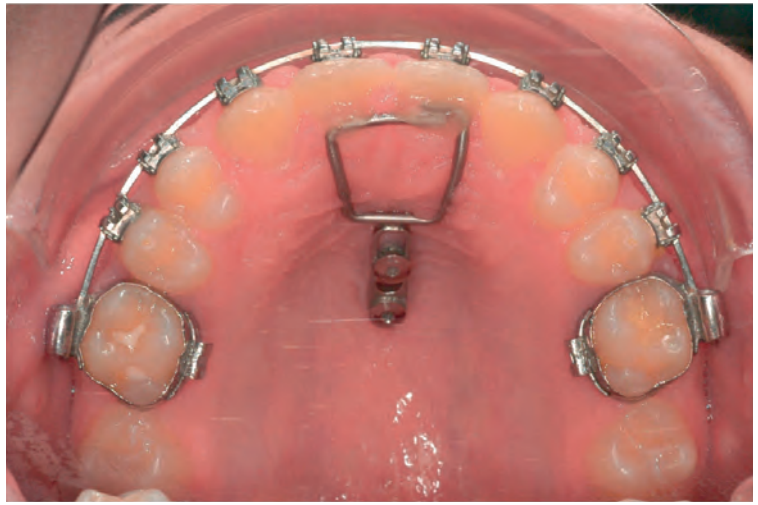
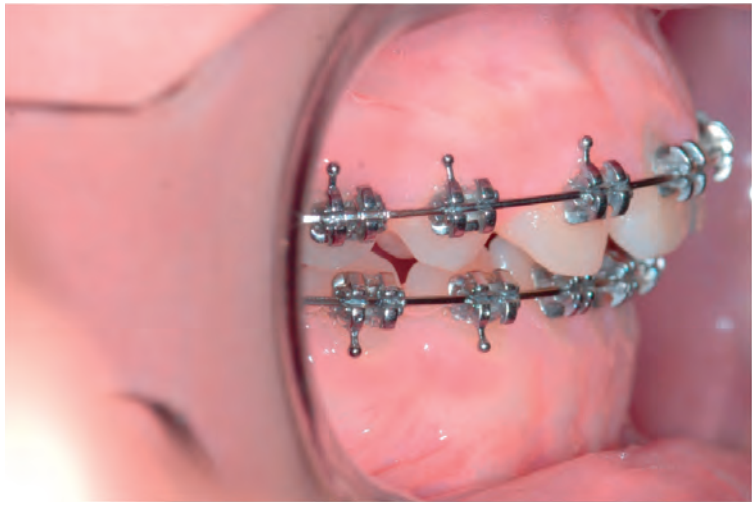
Treatment Start
Behandlungsbeginn

4 months later
4 Monate später

> Total treatment time: 12 months
- 6 months Pendulum
- 6 months MB

> Gesamte Behandlungszeit: 12 Monate
- 6 Monate Pendulum
- 6 Monate MB

ANTERIOR ANCHORAGE, T-BOW | FRONT-VERANKERUNG, T-BOGEN

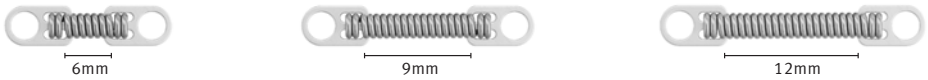
MESIALSLIDER | MESIALSLIDER

beneplates

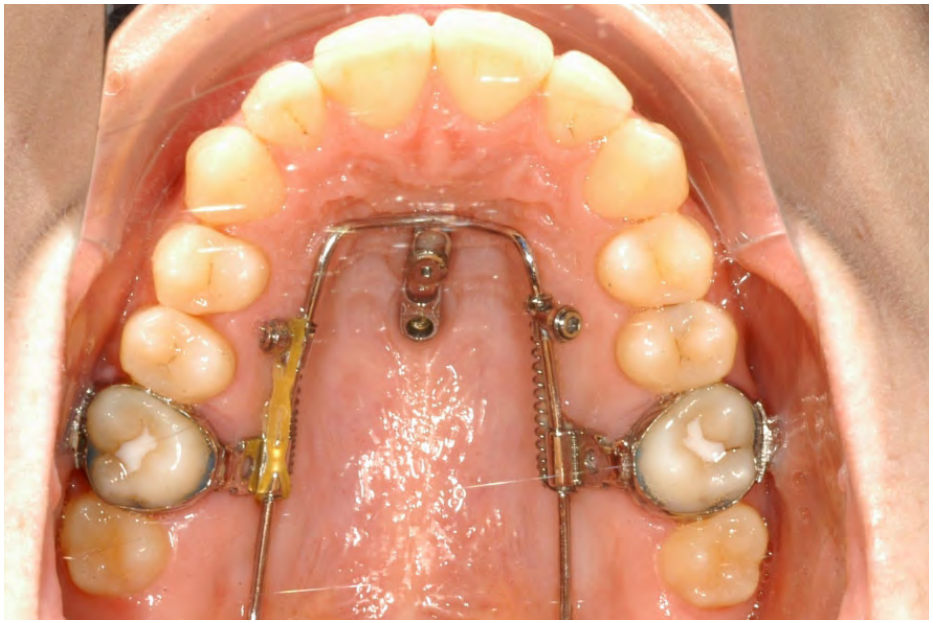
33-54553
Mirco Mobilizer with hook
MicroMobilisator mit Haken

33-54541
Mobilizer with hook
Mobilisator mit Haken

33-54539
Mesialtube
Tube mesial



Niti spring
NiTi Federn

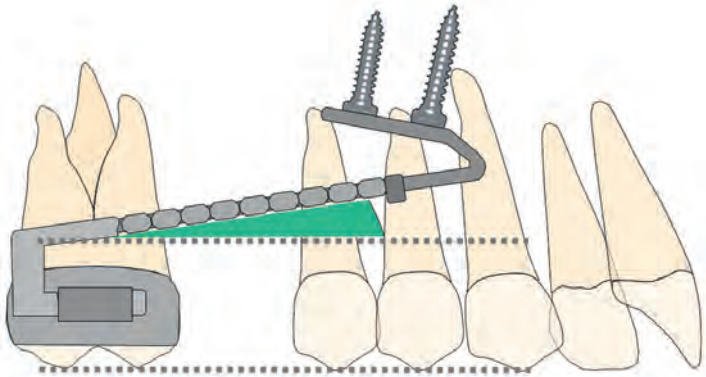


Wilmes B, Vasudavan S, Drescher D. Maxillary molar mesialization with the use of palatal mini-implants for direct anchorage in an adolescent patient. Am J Orthod Dentofacial Orthop. 2019

MESIALSLIDER | MESIALSLIDER

Mesialslider with an inclined plane for simultaneous molar intrusion

Mesialslider mit schiefer Ebene zur simultanen Molarenintrusion

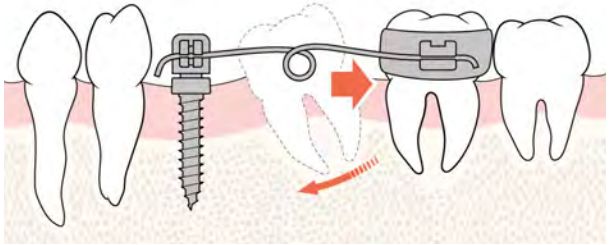


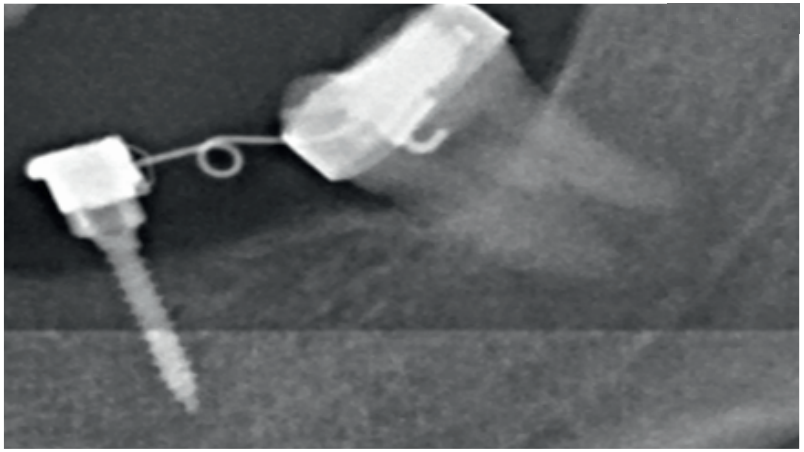
Wilmes B, Katyal K, Willmann J, Stocker B, Drescher D. Mini-implant-anchored Mesialslider for simultaneous mesialisation and intrusion of upper molars in an anterior open bite case: a three-year follow-up. Aust Orthod J 2015;31:87-97

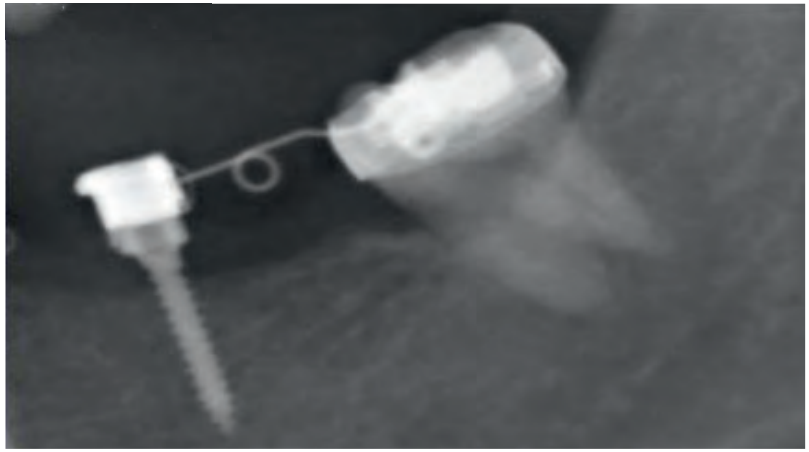
MOLAR UPRIGHTING | MOLARENAUFRICHTUNG

33-54450

33-54452







Nienkemper M,·Wilmes B,·Pauls A, Drescher D. Preprosthetic molar uprighting using skeletal anchorage. J Clin Orthod 2013, 47:433-7

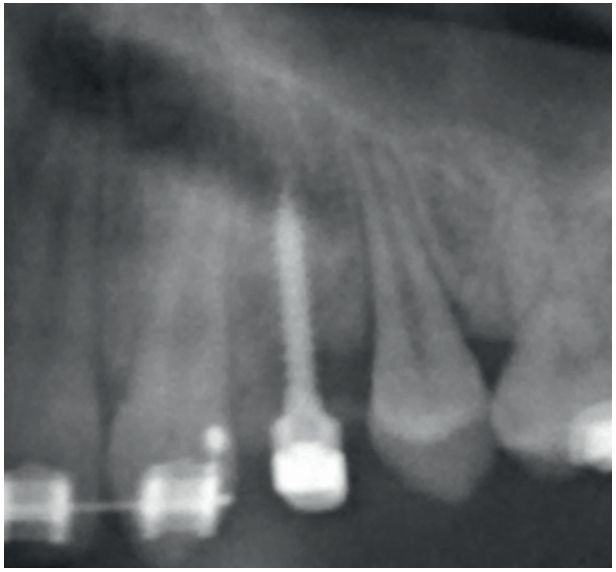
TEMPORARY PONTIC | TEMPORÄRER ZAHNERSATZ

33-54430
Abutment Standard
Standard Abutment

or
oder

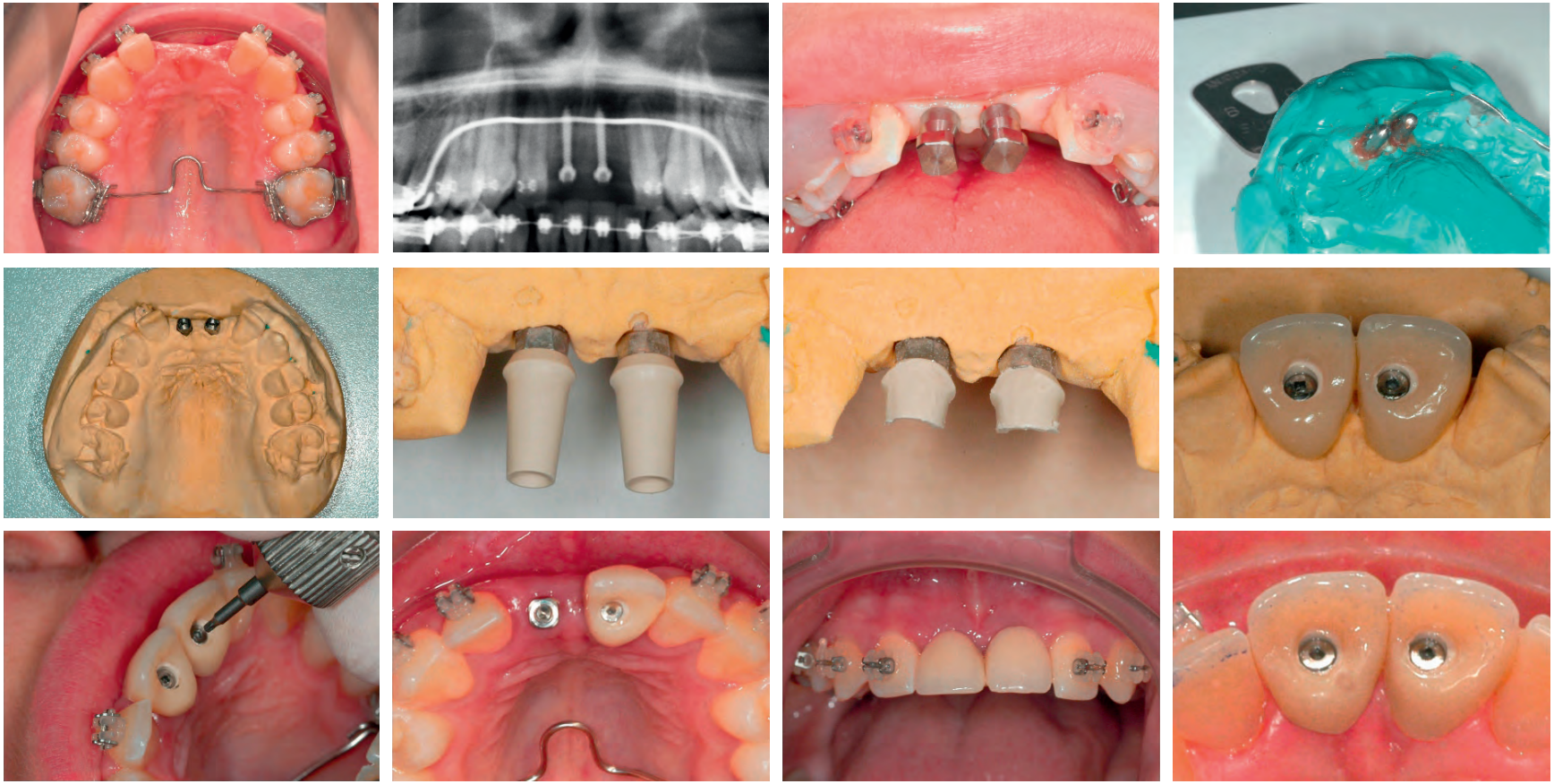
33-54466
Abutment PEEK
PEEK Abutment

33-54469
Abutment PEEK, 15° angled
PEEK Abutment, 15° abgewinkelt



Wilmes B, Nienkemper M, Renger S, Drescher D. Mini-implant-supported temporary pontics. J Clin Orthod. 2014;48:422-9

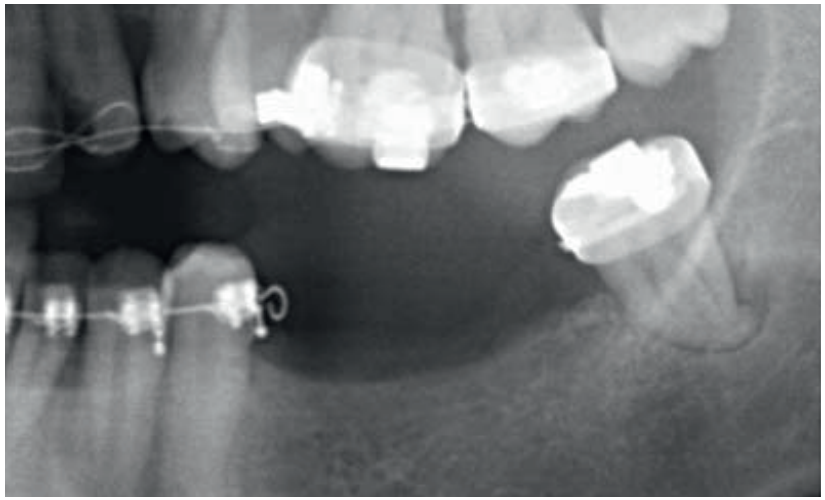
TEMPORARY PONTIC | TEMPORÄRER ZAHNERSATZ

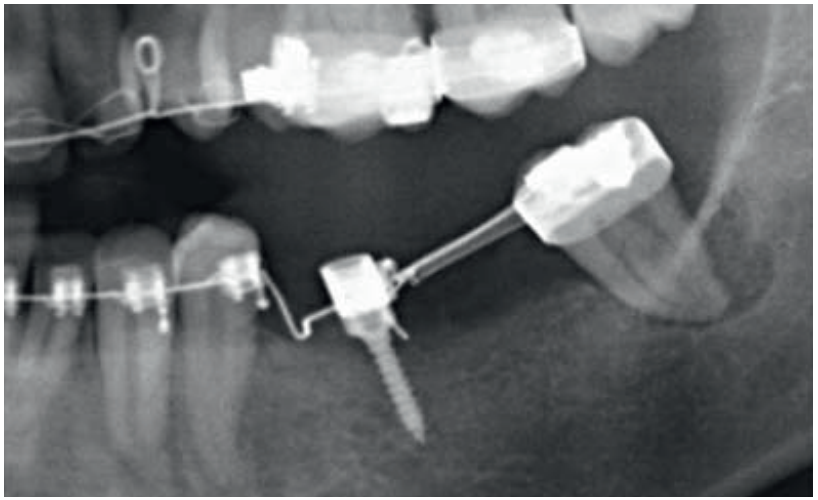


MANAGEMENT OF WIDE SPACES | BEHANDLUNG GROSSER LÜCKEN

Bridge technique
Brückentechnik

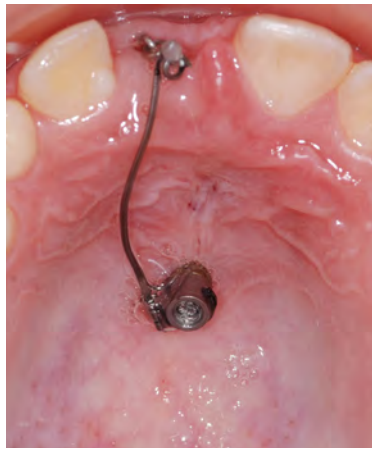
33-54450
BENEfit® Abutment with 1 bracket
BENEfit® Abutment mit 1 Bracket

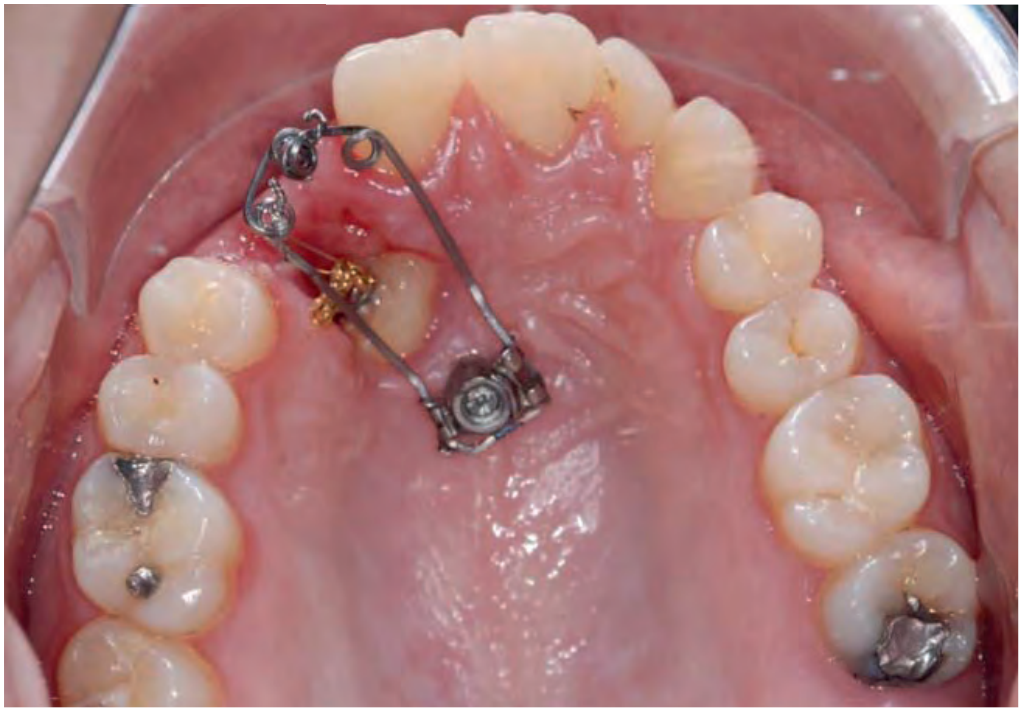




ECTOPIC TEETH | RETINIERTE ZÄHNE

33-54452
Bracket-Abutment with TMA-Wire 16/22”
Abutment mit Brackets TMA-Draht 16/22”

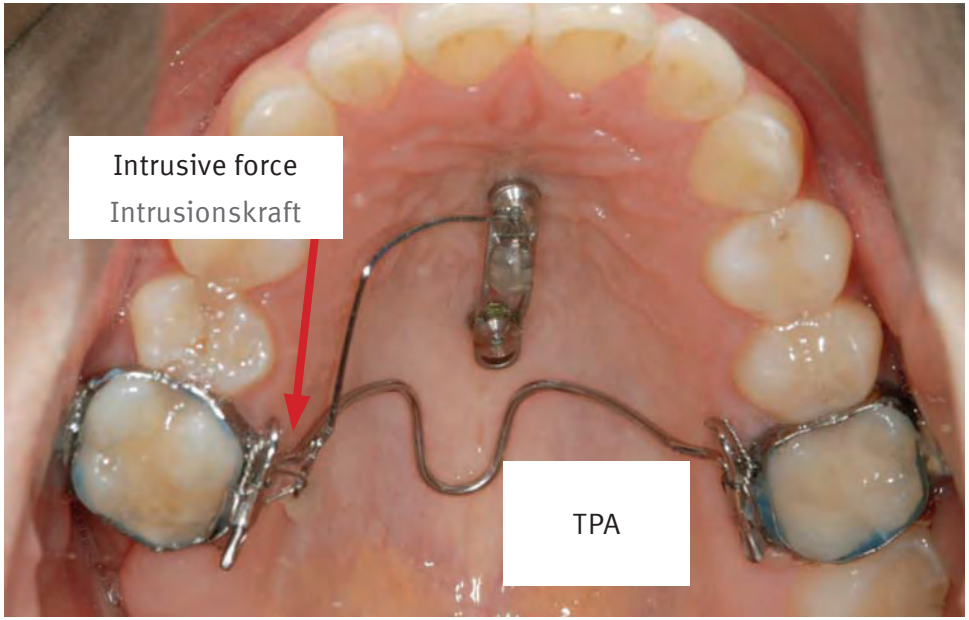




Nienkemper M, Wilmes B, Ludwig B, Lübberink G, Drescher D. Extrusion of impacted teeth using mini-implant-borne mechanics. J Clin Orthod.2012;46: 150-155

MOLAR INTRUSION | MOLAREN INTRUSION

95-13012
Model Mouse Trap
Mausefalle

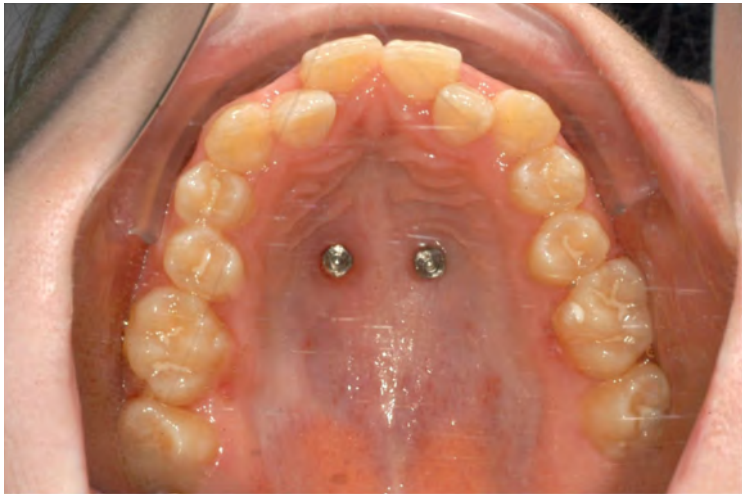


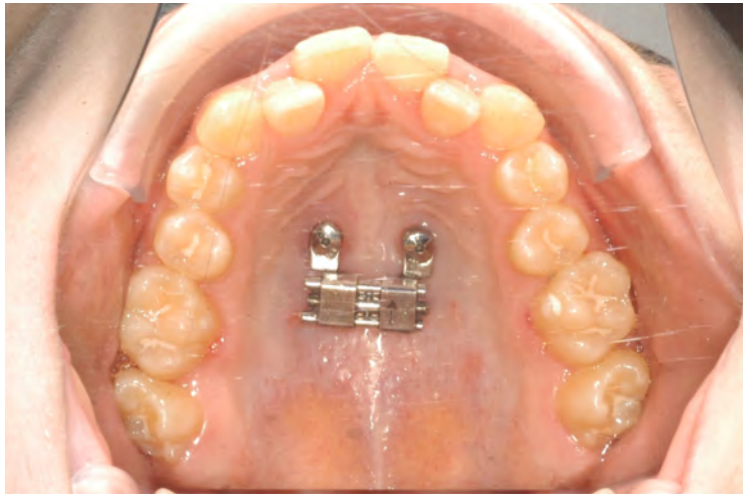
Wilmes B, Nienkemper M, Ludwig B, Nanda R, Drescher D. Upper-Molar Intrusion Using Anterior Palatal Anchorage and the Mousetrap Appliance. J Clin Orthod 2013.47:314-20

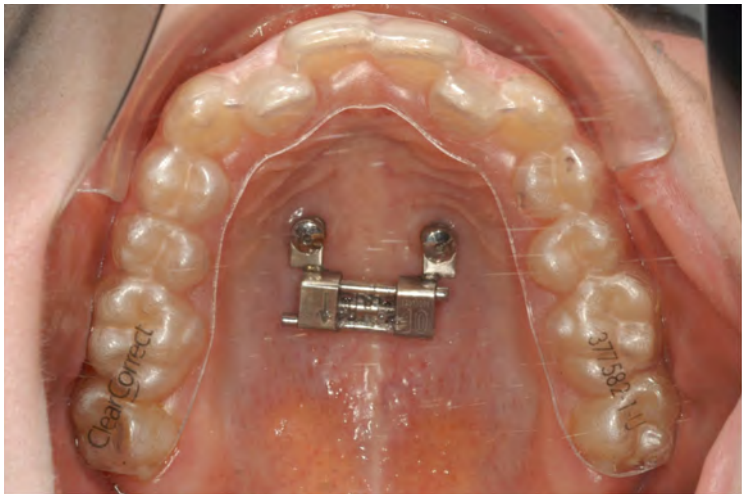
PERIODONTAL DISTRACTION OF ANKYLOSED TEETH | PARODONTALE DISTRAKTION ANKYLOSIERTER ZÄHNE

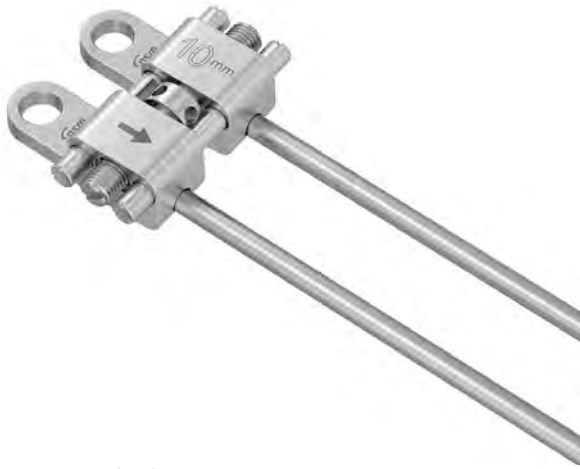
Wilmes B., Drescher D., Vertical Periodontal Ligament Distraction – a New Method for Aligning Ankylosed and displaced Canines.
J Orofac Orthop. 2009; 70:213-223

BENEFIT MAXILLARY EXPANDER | BENEFIT GNE EXPANDER









33-57506 6mm
33-57508 8mm
33-57510 10mm

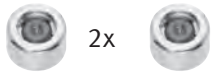
bmx, palatal expander

bmx, GNE Apparatur

Wilmes B, Tarraf N, Drescher D. Treatment of maxillary transversal deficiency by using a mini-implant-borne rapid maxillary expander and aligners in combination. Am J Orthod Dentofacial Orthop. 2021

HYBRID HYRAX | HYBRID HYRAX

ST-33-54209-2
BENEfit® 2.0 Screw, 9 mm
BENEfit® 2.0 Schraube, 9 mm



33-54463
Hyrax Abutment
Hyrax Abutment

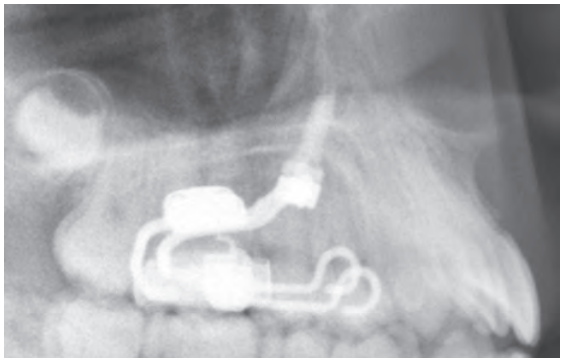
or
oder

33-54462
Hyrax Ring
Hyrax Ring

Wilmes B, Fields of Application of Mini-Implants. In: Ludwig, Baumgaertel, Bowman: Mini-Implants in orthodontics. Innovative anchorage concepts. London, Berlin etc. Quintessence. 2008: 91- 122

Wilmes B, Nienkemper M, Drescher D. Application and eff ectiveness of a new miniimplant and tooth-borne rapid palatal expansion device. World J Orthod. 2010
Nienkemper M, Wilmes B, Franchi L, Drescher D. Eff ectiveness of maxillary protraction using a hybrid hyrax-facemask combination: A controlled clinical study. Angle Orthod. 2014

HYBRID HYRAX | HYBRID HYRAX

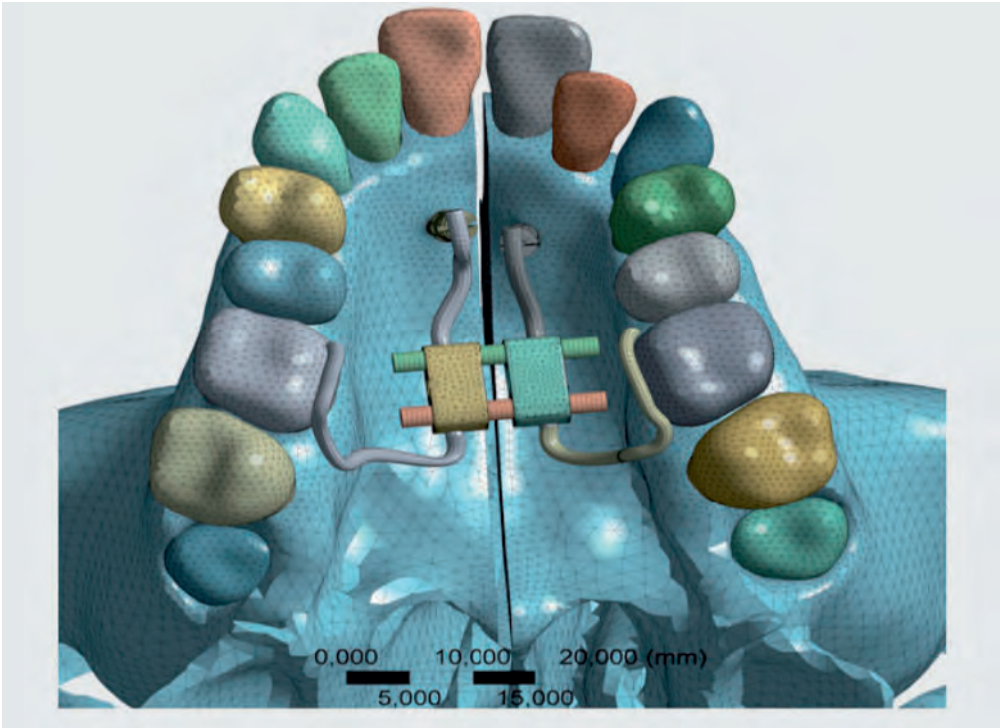


Goal 1: Less tipping of the teeth

- Cranial force application

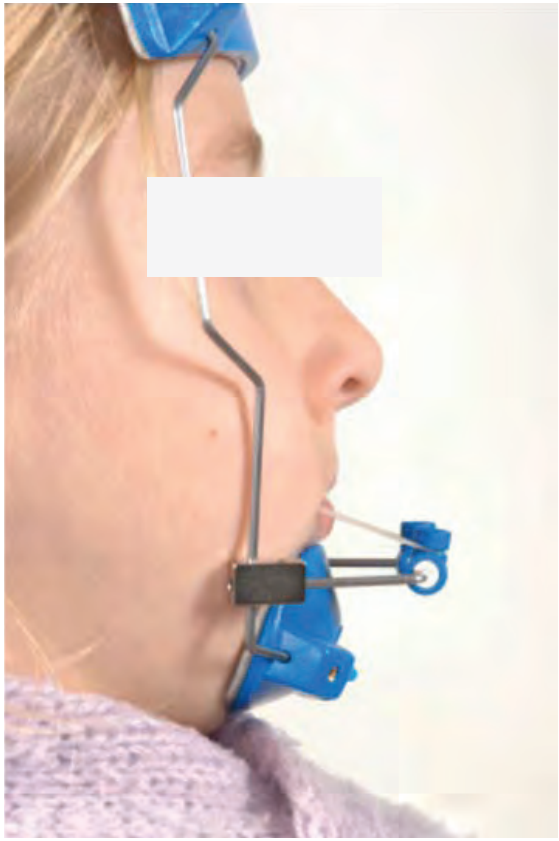
Ziel 1: Weniger Kippung der Zähne

- Craniale Kraftapplikation



Ludwig B, Baumgaertel S, Kinzinger G, Zorkun B, Glasl B, Wilmes B. Application of a new visco-elastic FEM-Model and analysis of miniscrew supported Hybrid-Hyrax treatment. Am J Orthod Dentofacial Orthop 2013

HYBRID HYRAX | HYBRID HYRAX

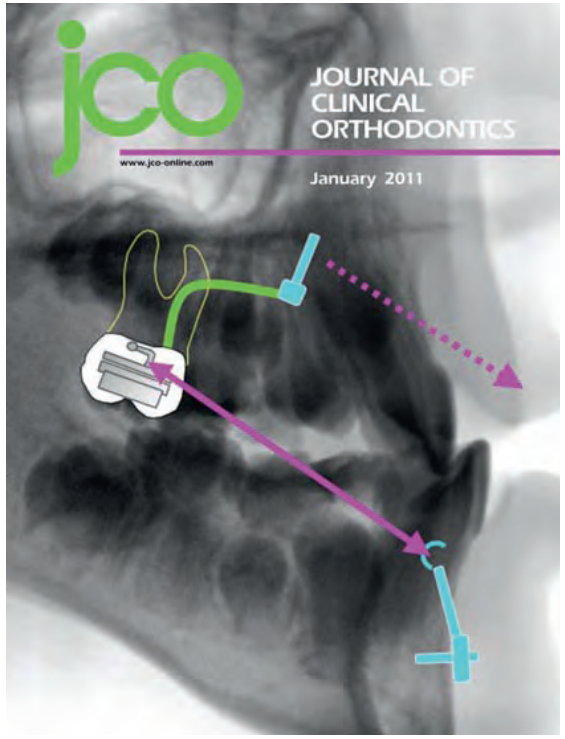


Goal 2: Avoid mesial migration when using a facemask

Ziel 2: Vermeidung mesialer Zahnaufwanderungen, die durch die Gesichtsmaske verursacht werden können.

Intraoral alternative?

Intraorale Alternative?



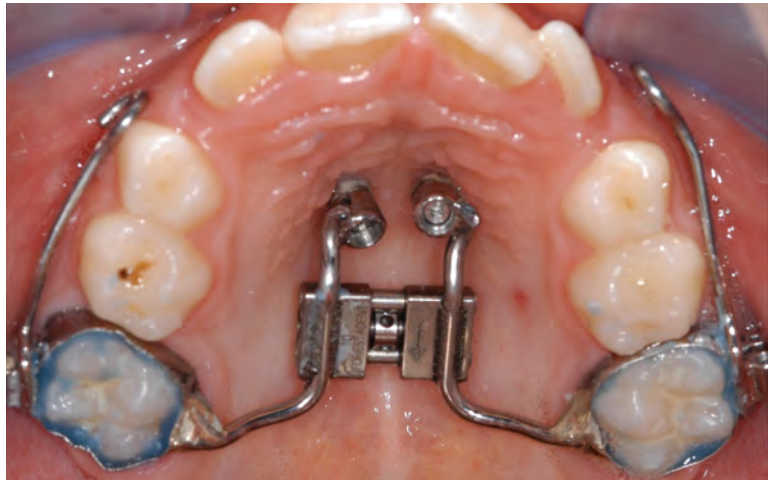
LITERATURE – PUBLICATIONS:

Wilmes B, Kau CH, Ludwig B, Drescher D. Early Class III Treatment with a Hybrid Hyrax-Mentoplate Combination J Clin Orthod, 45:1-7

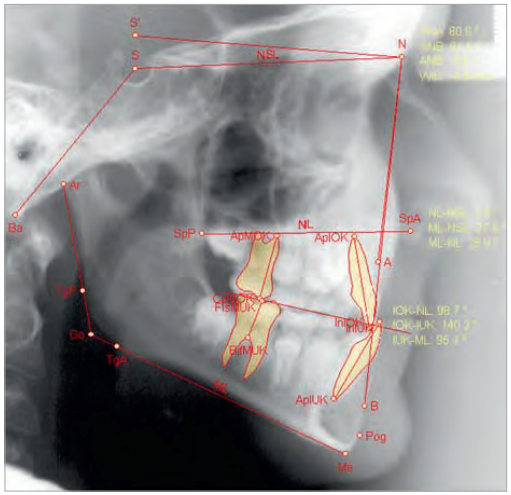
LITERATURE – PUBLICATIONS:

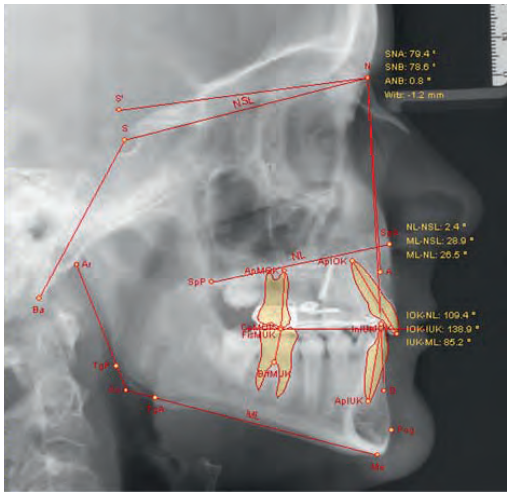
Ludwig B, Glasl B, Bowman J, Drescher D, Wilmes B. Miniscrew supported Class III Treatment with the Hybrid RPE Advancer. J Clin Orthod 2010; 44:533-539
Nienkemper M, Wilmes B, Pauls A, Drescher D. Maxillary protraction using a hybrid hyrax - facemask combination. Prog Orthod 2013;14:57

HYBRID HYRAX | HYBRID HYRAX

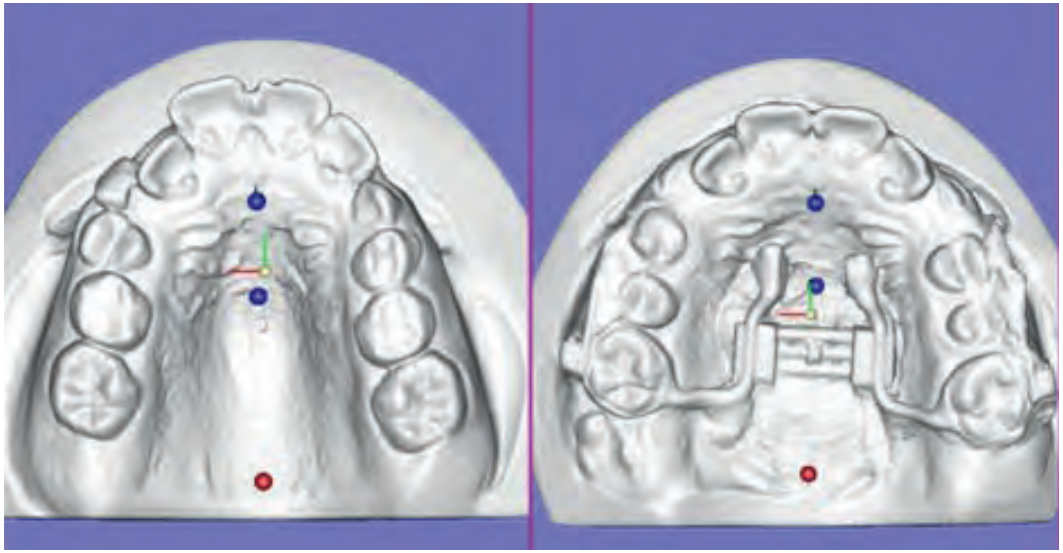


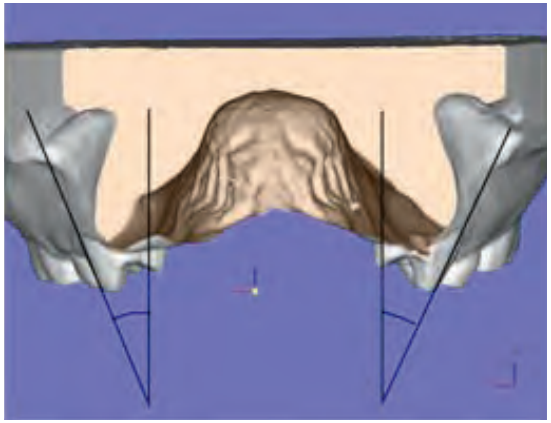
HYBRID HYRAX – FACEMASK | HYBRID HYRAX – GESICHTSMASKE





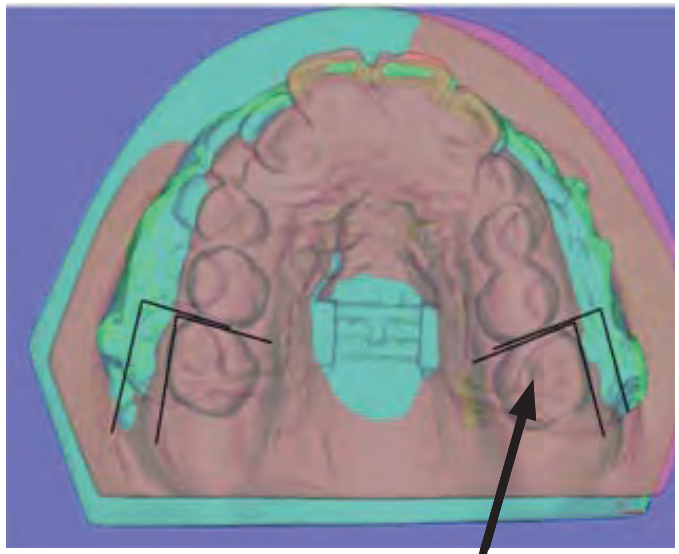
HYBRID HYRAX – FACEMASK | HYBRID HYRAX – GESICHTSMASKE





Less tipping

Weniger Kippung



Less mesial migration using a facemask

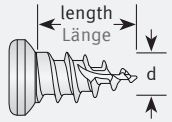
Keine Molarenaufwanderung bei Verwendung einer Gesichtsmaske

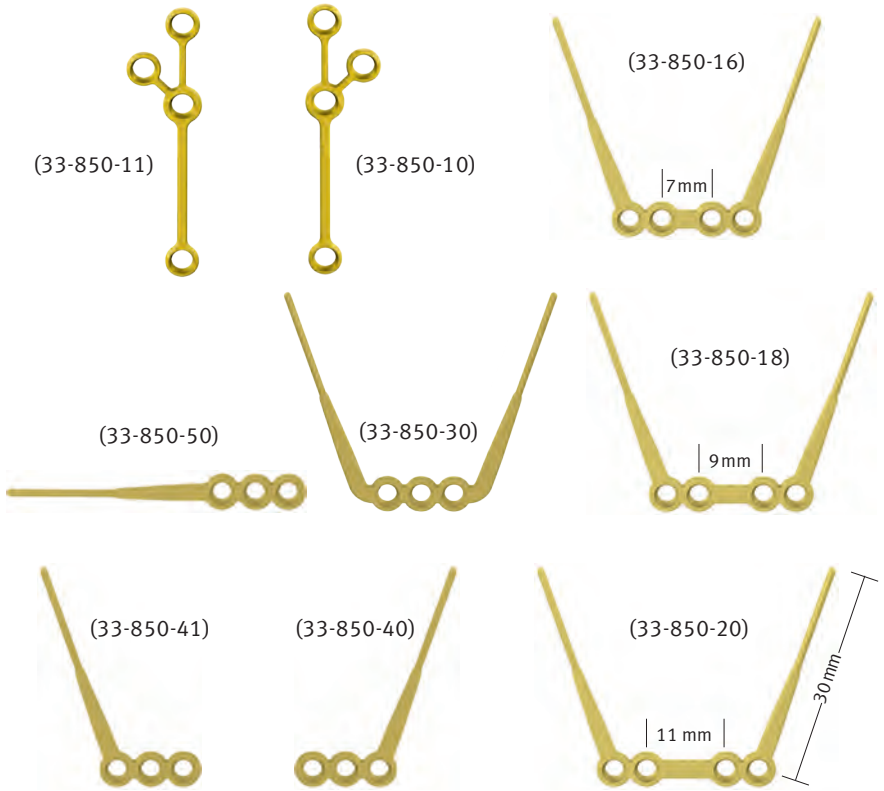
Wilmes B, Nienkemper M, Drescher D. Application and eff ectiveness of a new mini-implant and tooth-borne rapid palatal expansion device. World J Orthod. 2010

MENTOPLATE | MENTOPLATE

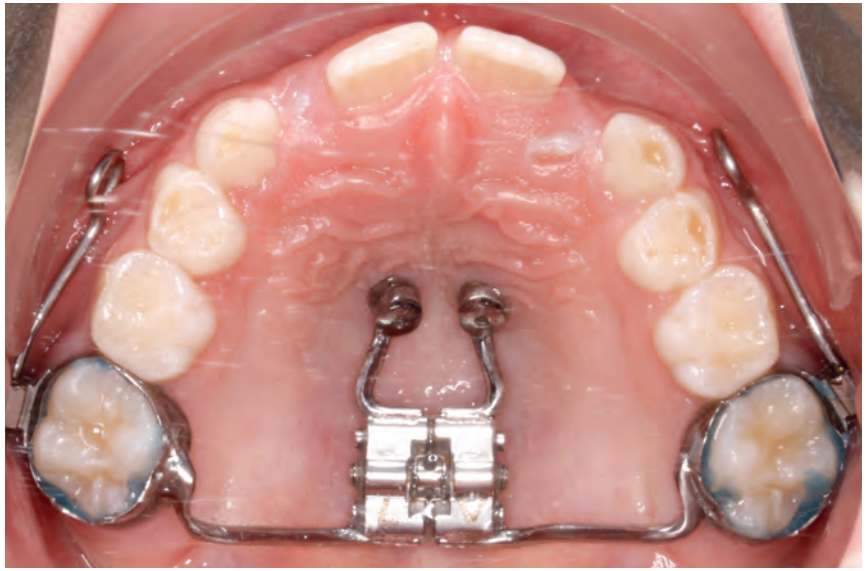
Dimensions (d x length)
Abmessung (d x Länge)

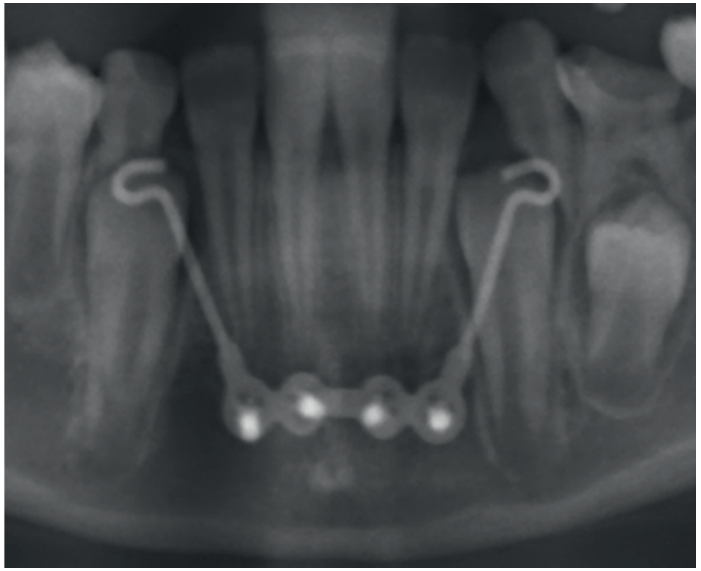
2.0	33-820-04	2,0 x 4 mm
	33-820-05	2,0 x 5 mm
	33-820-07	2,0 x 7 mm
	TX Bone Screw 2.0 mm TX Bone Schraube 2,0 mm	





HYBRID HYRAX & MENTOPLATE | HYBRID HYRAX & MENTOPLATE





Facemask no longer necessary

Advantages:

- The MentoPlate can be inserted before eruption of the canines we can start at the age of 8 years
- Loosening of the midface sutures (RPE effect & Alt-RAMEC)
- Low risk of root injury

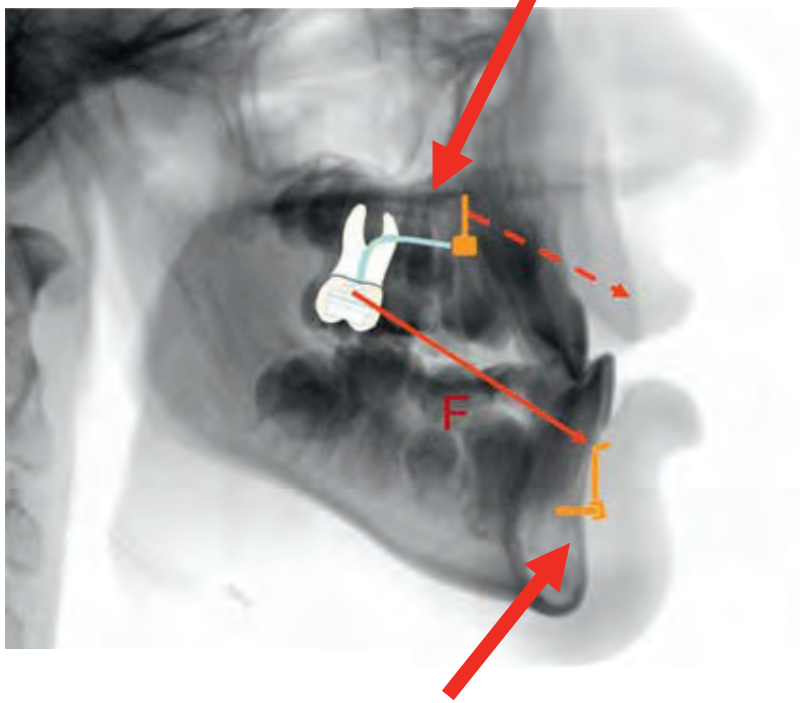
Gesichtsmaske nicht mehr notwendig

Vorteile:

- die Mentoplate kann bereits vor Durchbruch der Eckzähne ab einem Alter von 8 Jahren eingesetzt werden
- Öffnung der Gaumennaht (RPE Effekt & Alt-RAMEC)
- Geringes Risiko einer Wurzelverletzung

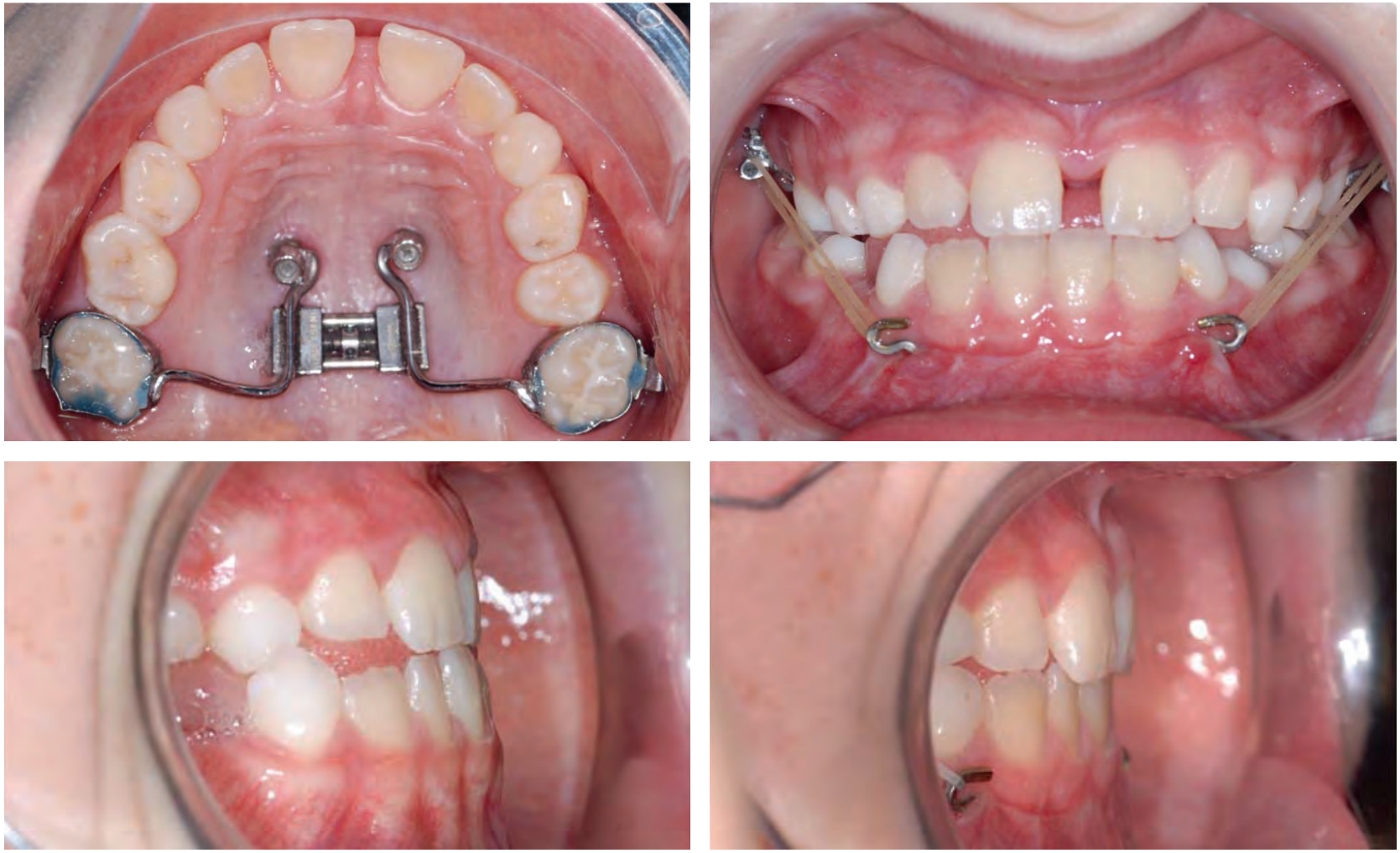
Wilmes B, Nienkemper M, Ludwig B, Kau CH, Drescher D. Early Class III Treatment with a Hybrid Hyrax-Mentoplate Combination. J Clin Orthod 2011; 45:1-7

HYBRID HYRAX & MENTOPLATE | HYBRID HYRAX & MENTOPLATE



Wilmes B, Nienkemper M, Ludwig B, Kau CH, Drescher D. Early Class III Treatment with a Hybrid Hyrax-Mentoplate Combination. J Clin Orthod 2011; 45:1-7

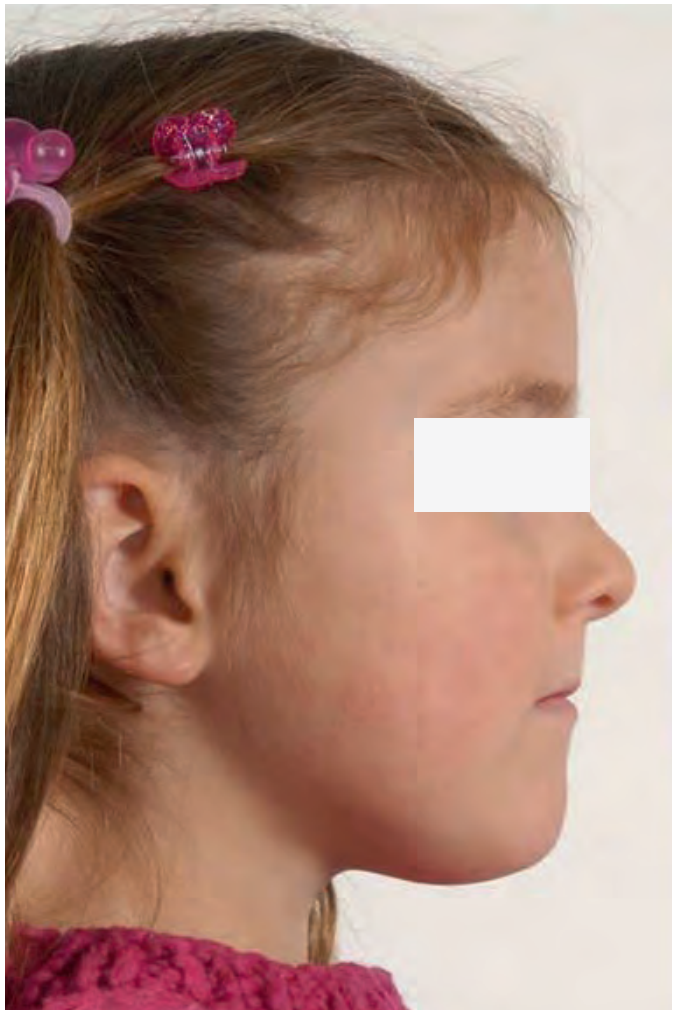
HYBRID HYRAX & MENTOPLATE | HYBRID HYRAX & MENTOPLATE



5 months later

5 Monate später

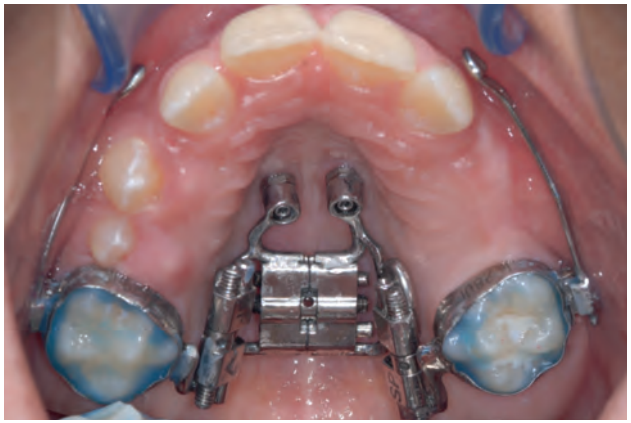
HYBRID HYRAX & MENTOPLATE | HYBRID HYRAX & MENTOPLATE



HYBRID HYRAX DISTALIZER | HYBRID HYRAX & DISTALIZER

Before | Vorher

After | Nachher



Wilmes B, Ludwig B, Katyal V, Nienkemper M, Rein A, Drescher D. The Hybrid Hyrax Distalizer, a new all-in-one appliance for rapid palatal expansion, early class III treatment and upper molar distalization. J Orthod. 2014;41:47-53

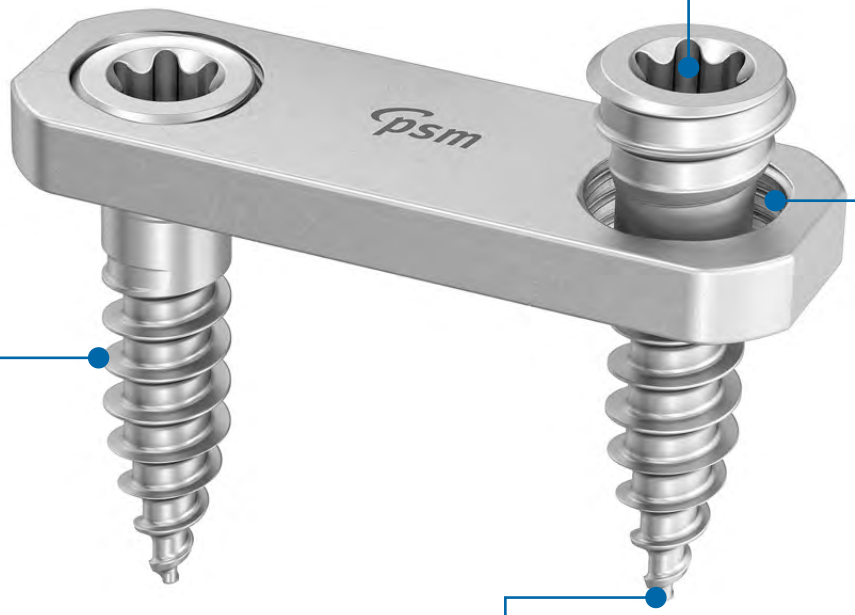
benefit DIRECT

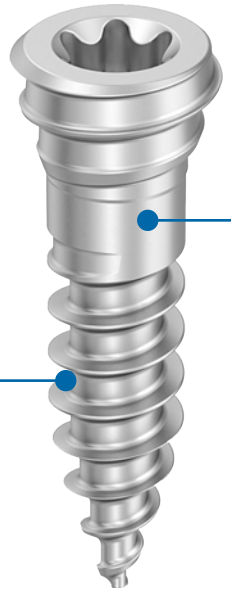
TX - self holding screw head with increased surface contact

TX selbsthaltender Schraubenkopf mit vergrößerter Anlagefläche

Unthreaded area for atraumatic healing in the soft tissue area

Gewindefreie Zone zur atraumatischen Anlagerung des Weichgewebes





Increased thread depth and denser pitch design ensure maximum anchorage even in cancellous bone

Tiefe Gewindeflanken und enge Gewindesteigung gewährleisten ein Maximum an Verankerung auch in spongiösem Knochen

Precision manufactured thread profile for sharpness and increased self tapping properties

Präzise produziertes Gewinde mit maximal scharfen Gewindespitzen zur Erhöhung der selbstschneidenden Eigenschaften

Reduced insertion torque thanks to the specially designed tip and shaft

Reduktion des Eindrehmoments durch speziell gestaltete Spitze

BENEplate DIRECT with prethreaded screw holes guarantee a perfect connection with the BENEfit® DIRECT Screws even in case of a non-axial insertion (up to 15°).

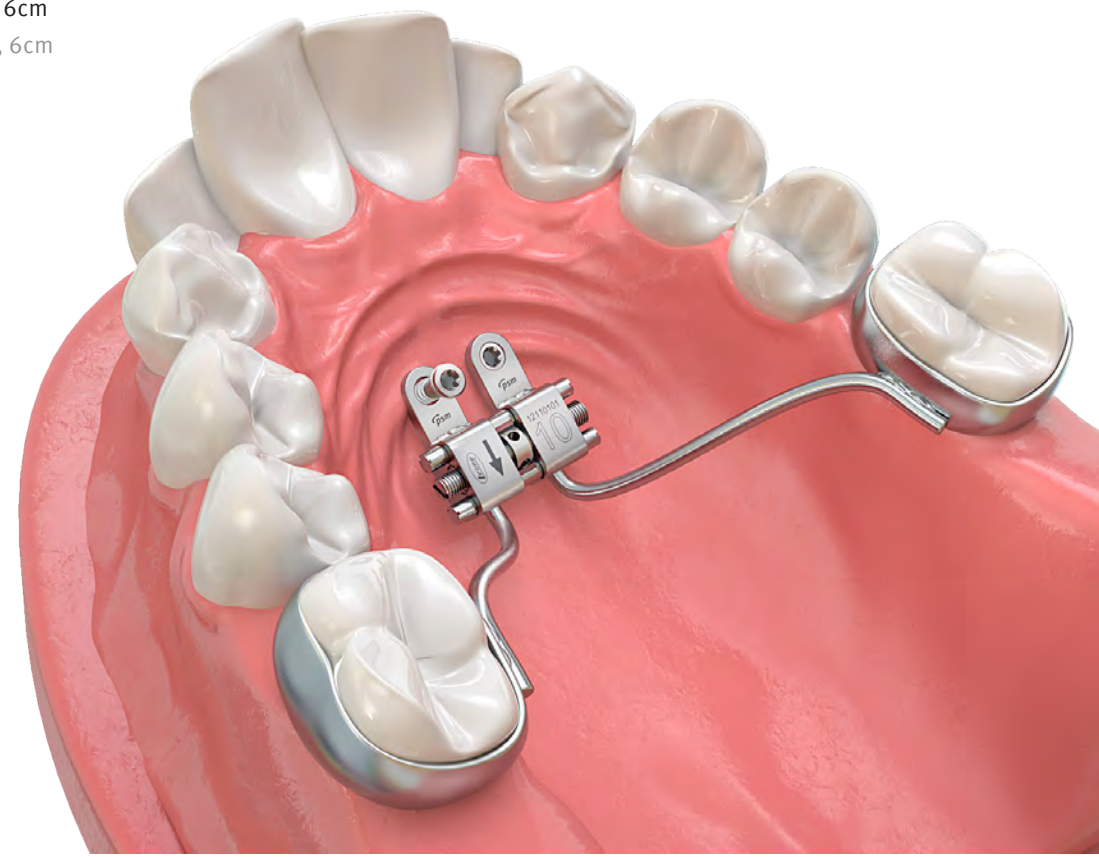
BENEplate DIRECT mit einem vorgeschnittenem Gewinde für eine perfekte Verbindung mit der BENEfit® DIRECT Schraube auch bei nicht axialer Einbringung (bis zu 15°).

HYBRID HYRAX DIRECT | HYBRID HYRAX DIRECT

33-64410
Hyrax® Ring DIRECT
Hyrax® Ring DIRECT

33-64414
Hyrax® Ring DIRECT 1-hole with wire 1.1mm, 6cm
Hyrax® Ring DIRECT 1-Loch mit Draht 1,1mm, 6cm

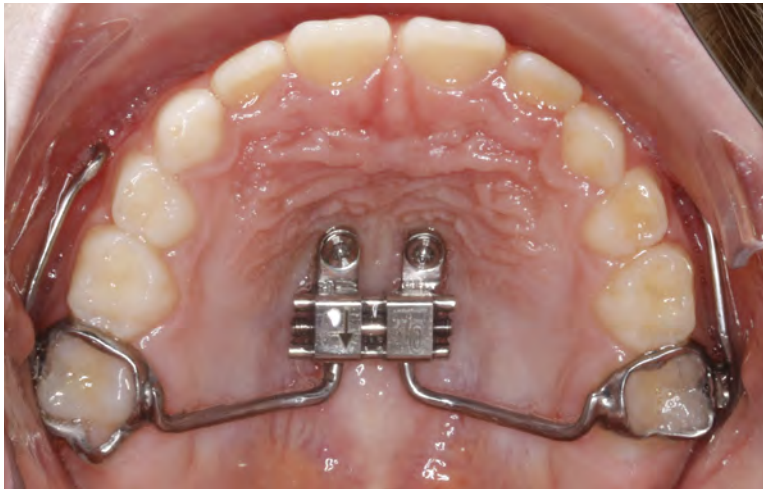
33-64415
Hyrax® Ring DIRECT 1-hole with median wire 1.1mm, 12cm
Hyrax® Ring DIRECT 1-Loch mit med. Draht 1,1mm, 12cm



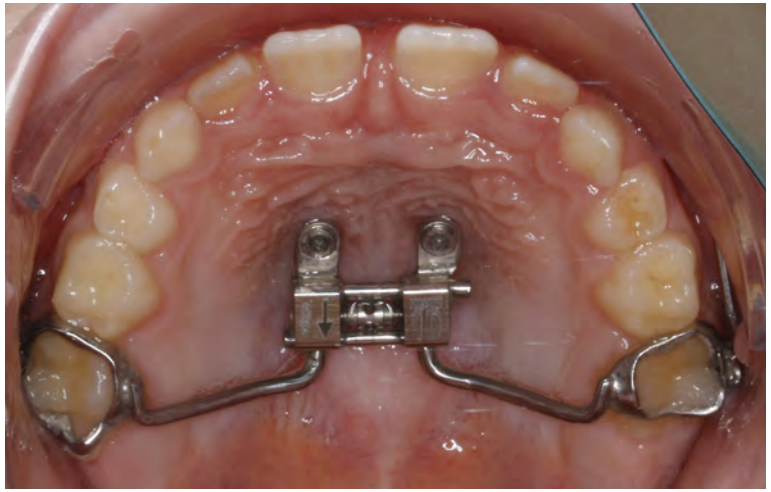
bmx DIRECT

▶ **Video**

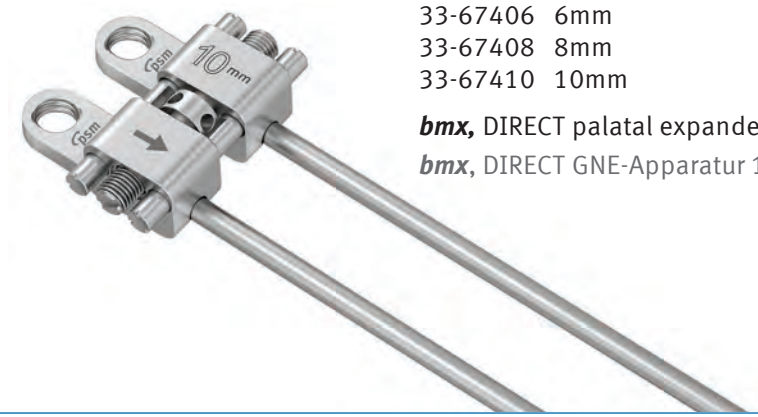
The Smartlock
BENEfit DIRECT Expander



Before | Vorher

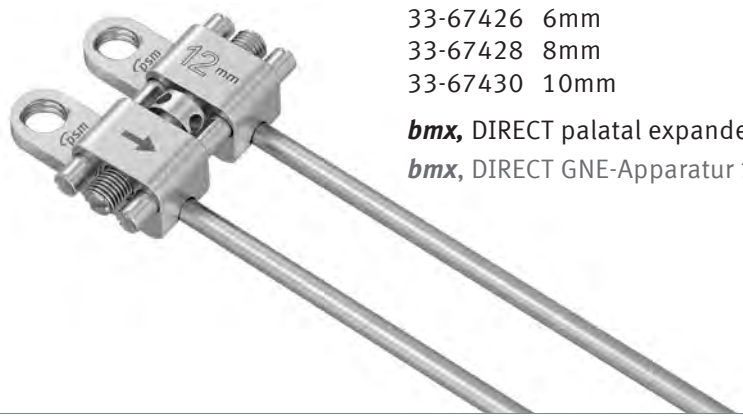


After | Nachher



33-67406 6mm
33-67408 8mm
33-67410 10mm

bmx, DIRECT palatal expander 10mm
bmx, DIRECT GNE-Apparatur 10mm



33-67426 6mm
33-67428 8mm
33-67430 10mm

bmx, DIRECT palatal expander 12mm
bmx, DIRECT GNE-Apparatur 12mm

PRODUCT OVERVIEW | PRODUKTÜBERSICHT

Ø 2,0

Size (Ø x length)
Abmessung (Ø x Länge)

ST

ST-33-54207	2,0 x 7mm
ST-33-54209	2,0 x 9mm
ST-33-54211	2,0 x 11mm
ST-33-54213	2,0 x 13mm

BENEfit® Orthodontic Screw 2.0 mm, Material Titanium
BENEfit® KFO-Schraube 2,0 mm, Material Titan

Ø 2,3

Size (Ø x length)
Abmessung (Ø x Länge)

ST

ST-33-54307	2,0 x 7mm
ST-33-54309	2,0 x 9mm
ST-33-54311	2,0 x 11mm
ST-33-54313	2,0 x 13mm

BENEfit® Orthodontic Screw 2.3 mm, Material Titanium
BENEfit® KFO-Schraube 2,3 mm, Material Titan

NEW
NEU

33-54558

BENEtube extended acc. to Dr. S. Yamaguchi
BENEtube verlängert nach Dr. S. Yamaguchi

33-54536

BENEtube standard
BENEtube standard

33-54549

FlexiTube, long
FlexiTube, lang

33-54550

FlexiTube, short
FlexiTube, kurz

33-54460 1.1 mm stainless steel

Abutment Standard with 1.1mm wire (12 cm)
Abutment Standard mit 1,1mm Draht (12 cm)

33-54430

BENEfit® Abutment Standard
BENEfit® Abutment Standard

33-54524 240gr.
33-54525 500gr.

BENEslider NiTi springs
BENEslider NiTi Federn

33-54543

Micro Mobilizer for wires from 0.5 to 1.2 mm
Micro Mobilisator für 0,5 – 1,2 mm Draht

33-54445

Abutment with loop acc. to Dr. S. Renger, St. Louis, France
Abutment mit Öse nach Dr. S. Renger, St. Louis, Frankreich

33-54450 Abutment with | mit 1 bracket
33-54452 Abutment with | mit 2 brackets

BENEfit® Abutment with brackets
BENEfit® Abutment mit Brackets

33-54540

Micro Mobilizer for wires from 0.5 to 1.2 mm
Micro Mobilisator für 0,5 – 1,2 mm Draht

33-54553

Micro Mobilizer with Hook
Micro Mobilisator mit Haken

33-54544

BENEtube acc. to Dr. Banach, with wire 1.1 mm, 40 mm
BENEtube nach Dr. Banach, mit Draht 1,1 mm, 40 mm

33-54463

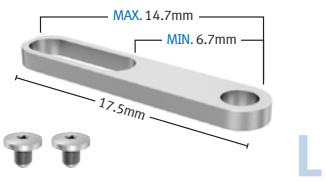
BENEfit® Hyrax® Abutment, 1 ea.
BENEfit® Hyrax® Abutment, 1 Stk.

33-54410

BENEfit® impression cap, 1 ea.
BENEfit® Abdruckkappe, 1 St.

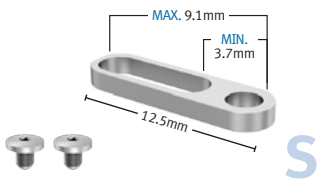
33-54426

BENEfit® laboratory analog NT, 2 ea.
BENEfit® Labor-Manipulierimplantat NT, 2 Stk.



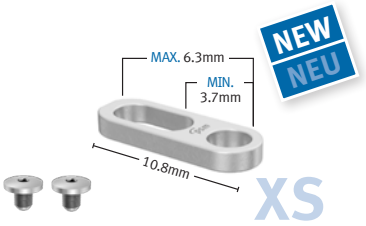
33-54400 stainless steel

BENEplate, long, incl. fixation screws
BENEplate, lang, inkl. Fixierschrauben



33-54402 stainless steel

BENEplate, short, incl. fixation screws
BENEplate, kurz, inkl. Fixierschrauben



33-54424 stainless steel

BENEplate, XS, incl. fixation screws
BENEplate, XS, inkl. Fixierschrauben

33-54429

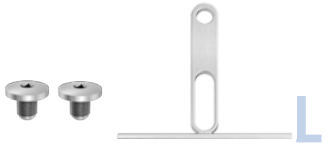
BENEplate, long, with 1.1 mm wire (12 cm)
BENEplate, lang, mit 1,1 mm Draht (12 cm)

33-54409

BENEplate, short, with 1.1 mm wire (12 cm)
BENEplate, kurz, mit 1,1 mm Draht (12 cm)

33-54423

BENEplate, XS, with 1.1 mm wire (12 cm)
BENEplate, XS, mit 1,1 mm Draht (12 cm)



33-54428

BENEplate, long, with 0.8 mm wire (12 cm)
BENEplate, lang, mit 0,8 mm Draht (12 cm)

33-54408

BENEplate, short, with 0.8 mm wire (12 cm)
BENEplate, kurz, mit 0,8 mm Draht (12 cm)

33-54420

BENEplate, short, median, with 0.8 mm TMA wire (12 cm)
BENEplate, kurz, median, mit 0,8 mm TMA-Draht (12 cm)

33-54472

BENEplate, long, with 1.1 mm wire (12 cm)
BENEplate, lang, mwit 1,1 mm Draht (12 cm)

33-54471

BENEplate, short, with 1.1 mm wire (12 cm)
BENEplate, kurz, mit 1,1 mm Draht (12 cm)

33-54422

BENEplate, XS, with 1.1 mm wire (12 cm)
BENEplate, XS, mit 1,1 mm Draht (12 cm)

For the complete ***BENEfit®*** product range please consult our ***BENEfit®*** product flyer

Das komplette ***BENEfit®***-Sortiment finden Sie in unserem ***BENEfit®*** Produktflyer

		Options
	BENEslider Set distal/distal	
Instruments		
	BENEplate short with 1.1 mm s/s wire incl. 2 fixation screws	☐ **33-54409** median
	Mobilizer for wires from 0.5 – 1.2 mm, 2 ea.	☐ **33-54471** paramedian
33-54540	***BENEslider*** NiTi Springs, 2 ea.	
33-54536	***BENEtube*** long, 2 ea.	☐ **33-54524** 200g ☐ **33-54524** 500g

		Optionen
	BENEslider Set distal/distal	
Instrumente		
	BENEplate short with 1.1 mm s/s wire incl. 2 fixation screws	☐ **33-54409** median
	Mobilizer for wires from 0.5 – 1.2 mm, 2 ea.	☐ **33-54471** paramedian
33-54540	***BENEslider*** NiTi Springs, 2 ea.	
33-54536	***BENEtube*** long, 2 ea.	☐ **33-54524** 200g ☐ **33-54524** 500g

73-31960 *QB*

quattro® / ***BENEfit®*** large instrument tray, empty
quattro® / ***BENEfit®*** großer Instrumentenbehälter, leer

STARTER KIT – S

33-55000	BENEfit® Starter Instrument Set without implants consisting of:	S	BENEfit® Starter Instrumenten Set ohne Implantate bestehend aus:
	Storage		**Aufbewahrung**
73-31990	BENEfit® Starter tray, empty		BENEfit® Starter Behälter, leer
	Instruments		**Instrumente**
33-18236	Thumb screw for Dental mandrel		Handgriff für Klingen mit Dentalansatz
33-54512	Screwholder for Abutment screw, 20 mm		Eindrehinstr. für Abutment Schraube, 20 mm
33-18232	Screwholder for implants, 23 mm		Schraubenhalter für Implantate, 23 mm
10-67513	Drill, 1.4 x 33 mm WL 15 mm, DENTAL, red		Bohrer, 1,4 x 33 mm AT 15 mm, DENTAL, rot

NOT SUITABLE FOR IMPLANTS, ACCESSORIES ONLY.
Nicht geeignet für Implantate! Nur Zubehör.

33-18266 QB

Thumb screw for Dental mandrel
Handgriff für Instrumente mit Dentalansatz

QB

33-54512	20mm	DENTAL
33-54515	30mm	DENTAL
33-54518	50mm	DENTAL

Screwdriver insert e.g. for abutment retaining screws, ***BENEplate*** fixation screws and Mobilizer activation

Eindrehinstrument z.B. passend zu Abutment Schraube, ***BENEplate*** Fixierschraube und Mobilisator Schraube

33-18232	23mm	QB	DENTAL
33-18233	28mm	QB	DENTAL
33-18237	33mm	QB	DENTAL

Screwholder for contra-angled handpiece
Schraubenhalter für Winkelhandstück

10-67513 QB DENTAL

Drill, 1.4 x 33 mm WL 15 mm, red
for 2.0 mm screws
Bohrer, 1,4 x 33 mm AT 15 mm, rot
für 2,0 mm Schrauben

11-18452 QB DENTAL

Drill, 1.8 x 33 mm WL 15 mm, grey
for 2.3 mm screws
Bohrer, 1,8 x 33 mm AT 15 mm, grau
für 2,3 mm Schrauben

33-54466

BENEfit® PEEK Abutment, incl. 1 fixation screw
BENEfit® PEEK Abutment, inkl. 1 Fixationsschraube

NEW NEU

33-54469

BENEfit® PEEK Abutment, 15° angled
incl. 1 fixation screw

BENEfit® PEEK Abutment, 15° abgewinkelt
inkl. 1 Fixationsschraube

10-63025 QB

Manually turned unit for contra-angled handpieces
Manueller Drehansatz für Winkelhandstücke

33-54704 QB

Manually turned unit mod. to Pauls,
with adjustable torque from 0 – 40 Ncm
Manueller Drehansatz mod. nach Pauls, mit einstellbarem Drehmoment von 0 – 40 Ncm

33-54462

Hyrax® Ring, incl. 1 fixation screw, 2 ea.
Hyrax® Ring, inkl. 1 Fixationsschraube, 2 Stk.

95-13001

Model ***BENEslider***, mesial, distal
Model ***BENEslider***, mesial, distal

95-13002

Model Anchorage for upper Molars
Modell Molarenverankerung

95-13003

Model Pendulum B
Modell Pendulum B

95-13005

Model Molar uprighting
Modell Molarenaufrichtung

95-13006

Model Hybridhyrax
Modell Hybirdhyrax

V-90-994-00

BENEfit® Model Case for
9 models, empty

BENEfit® Modellkoffer für
9 Modelle, leer

V-90-994-02

BENEfit® Model Case for
18 models, empty

BENEfit® Modellkoffer für
18 Modelle, leer

95-13007

Model Anchorage Anterior Teeth
Modell Frontverankerung

95-13008

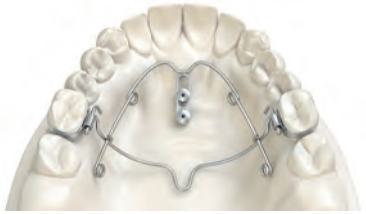
Model Tooth extrusion
Modell Zahnretention

95-13009

Model Temporary Implant
Modell Temporäres Implantat

95-13011

Plaster Model with laboratory implants
Gipsmodell mit Laborimplantaten



95-13012

Model Mouse Trap Intrusion
Modell Mausefalle

95-13013

Model Hybridhyrax Distalizer
Modell Hybridhyrax Distalizer

95-13014

Model T-Mesial/Distalslider
Modell T-Mesial/Distalslider

95-13001-15 naturally/natur

Model ***BENEslider***, mesial, distal median
Model ***BENEslider***, mesial, distal median

95-13017-15 naturally/natur

Model ***BENEslider***, mesial, distal paramedian
Model ***BENEslider***, mesial, distal paramedian

BENEfit®-System . Handout

www.psm.ms – premium impants

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KAT-012 | 06.2021 | Rev.6

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