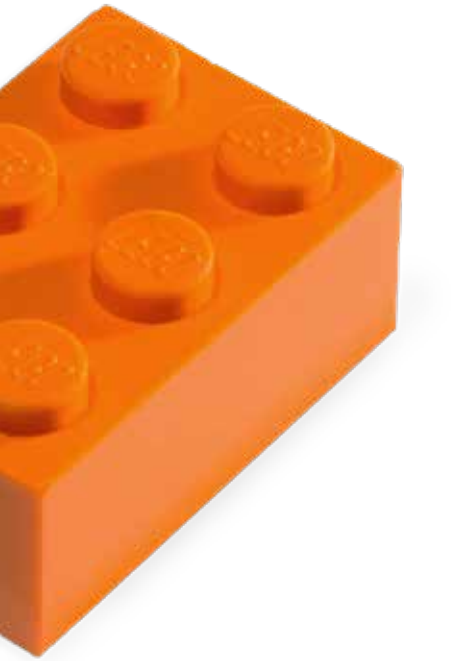
INTERNATIONAL VERSION



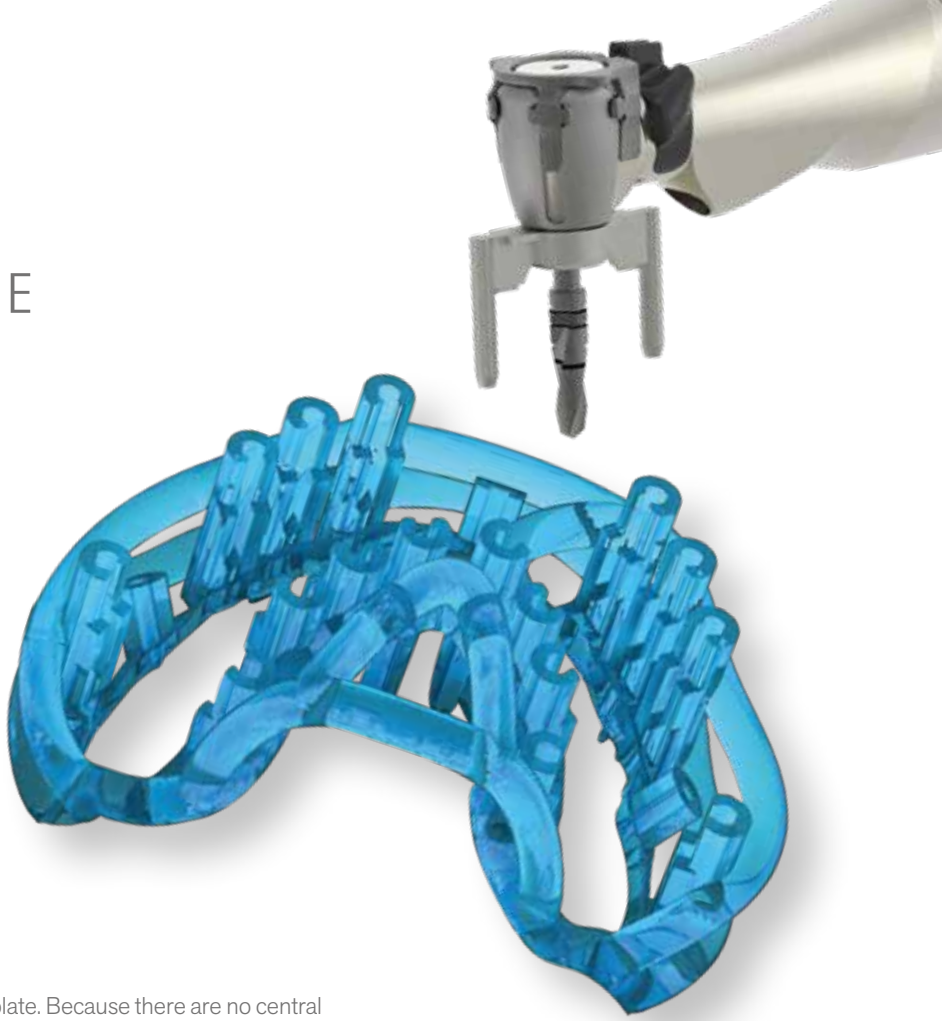
bonetrustguide®

medical instinct®

... WE ARE IMPLANTOLOGY!

BONETRUST® GUIDE

POWERED BY 2INGIS



INTRODUCTION

The BoneTrust® guide system was developed on the basis of the 2INGIS® system for computer-assisted case planning and for guided surgery with the BoneTrust® implant systems.

Compared to centrally guided surgical templates with drill sleeves, BoneTrust® guide offers a wide variety of advantages that partly make the application simpler, easier or even make it possible in the first place.

This is implemented by bilateral guidance of the handpiece using a slender surgical template. Because there are no central guide sleeves, the drills can run contactlessly and can be optimally cooled. The crucially important feedback for the surgeon regarding bone quality is maintained. In addition, the concept offers markedly more vertical height, because shorter drills can be used.

BoneTrust® guide takes backward planning to a whole new level and helps you to provide ideal implantology treatments.

ADVANTAGES OF THE BONETRUST® GUIDE SYSTEM

BoneTrust® guide represents the quintessence of more than 30 years of experience in implantology with regard to practicability, safety and efficiency.

bonetrust® guide

+ STERILITY

The surgical templates are available in metal or plastic variants and can be sterilized at 135° C.

+ VISIBILITY

Thanks to the slender shape and the bilateral handpiece guidance, the surgical field is accessible without obstruction and is fully visible.

+ ACCESSIBILITY

The special template design and the lack of drill sleeves make it very easy to insert bone replacement material without contacting the surgical guide.

+ COOLING

Optimal cooling of the bone and the drill, because the water supply is not blocked or obstructed by the surgical template.

+ CONTACT-FREE IMPLANT INSERTION

Even expansion screws can be inserted contact-free and checked for an accurate fit.

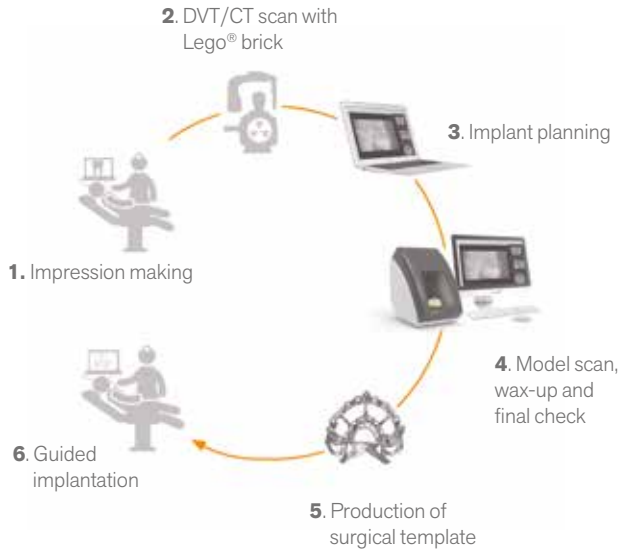
+ NO CONTAMINATION DUE TO ABRASION

Because the drills are not guided through a central sleeve and are able to run contactlessly, contamination of the surgical area through plastic or metal chips is prevented.

+ MORE VERTICAL HEIGHT

The design allows for markedly shorter standard drills to be used, which also enables applications in poorly accessible regions.

BONETRUST® GUIDE WORKFLOW



1. IMPRESSION MAKING

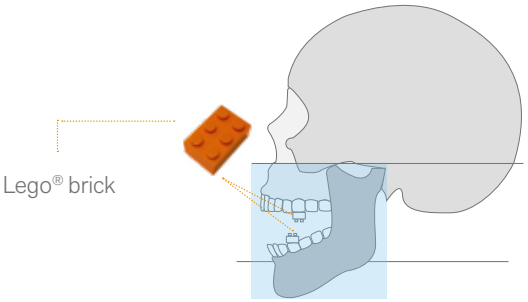
Make an impression with Impregum™* and a conventional tray or duplicate dentures. A baseplate must be attached with self-curing resin or adhesive for inserting the Lego® brick later.

BoneTrust® guide baseplate, white, 4 pcs
Article no.: 193-LEGOWE

2. DVT OR CT SCAN WITH LEGO® BRICK

Once the impression material has cured, a Lego® brick is placed on the baseplate and a DVT or CT scan prepared.

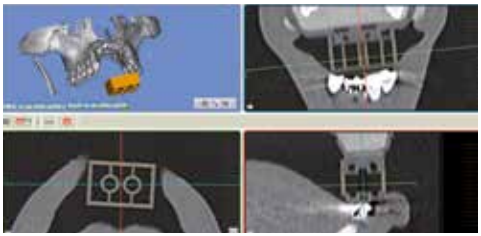
BoneTrust® guide Lego® brick, orange, 4 pcs
Article no.: 193-LEGOOR



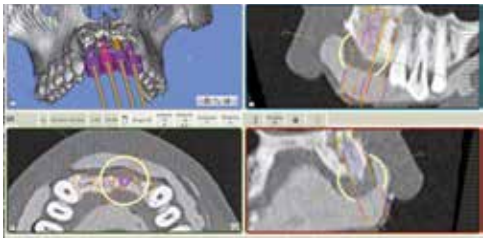
3. IMPLANT PLANNING

We recommend the 2INGIS® planning software for implant planning. Software solutions such as smop, coDiagnostiX™** etc. can also be used.

Integrated CT scan with Lego® brick as reference



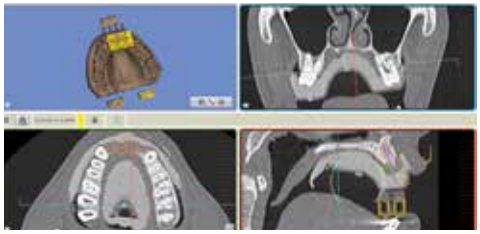
Implant planning



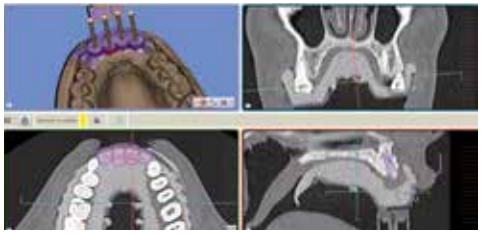
4. MODEL SCAN, WAX-UP AND FINAL CHECK

After the model is created a wax-up of the planned prosthetic restoration is made based on the implant planning. After the model and wax-up scan, the laboratory can match all digital data and check whether surgical guide production is feasible or whether the planning needs to be amended.

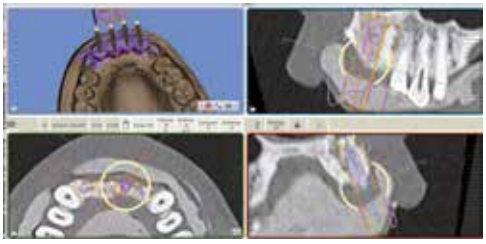
Model scan



Wax-up



Final check

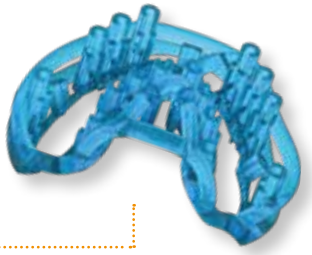


Scanner

* Impregum™ is a registered trademark of 3M Deutschland GmbH
** coDiagnostiX™ is a registered trademark of Dental Wings

5. PRODUCTION OF SURGICAL TEMPLATE AND SPACER

The surgical templates can be produced in metal or plastic variants using a DLP printer. They are then delivered to the practice and could be sterilized at 135° C.



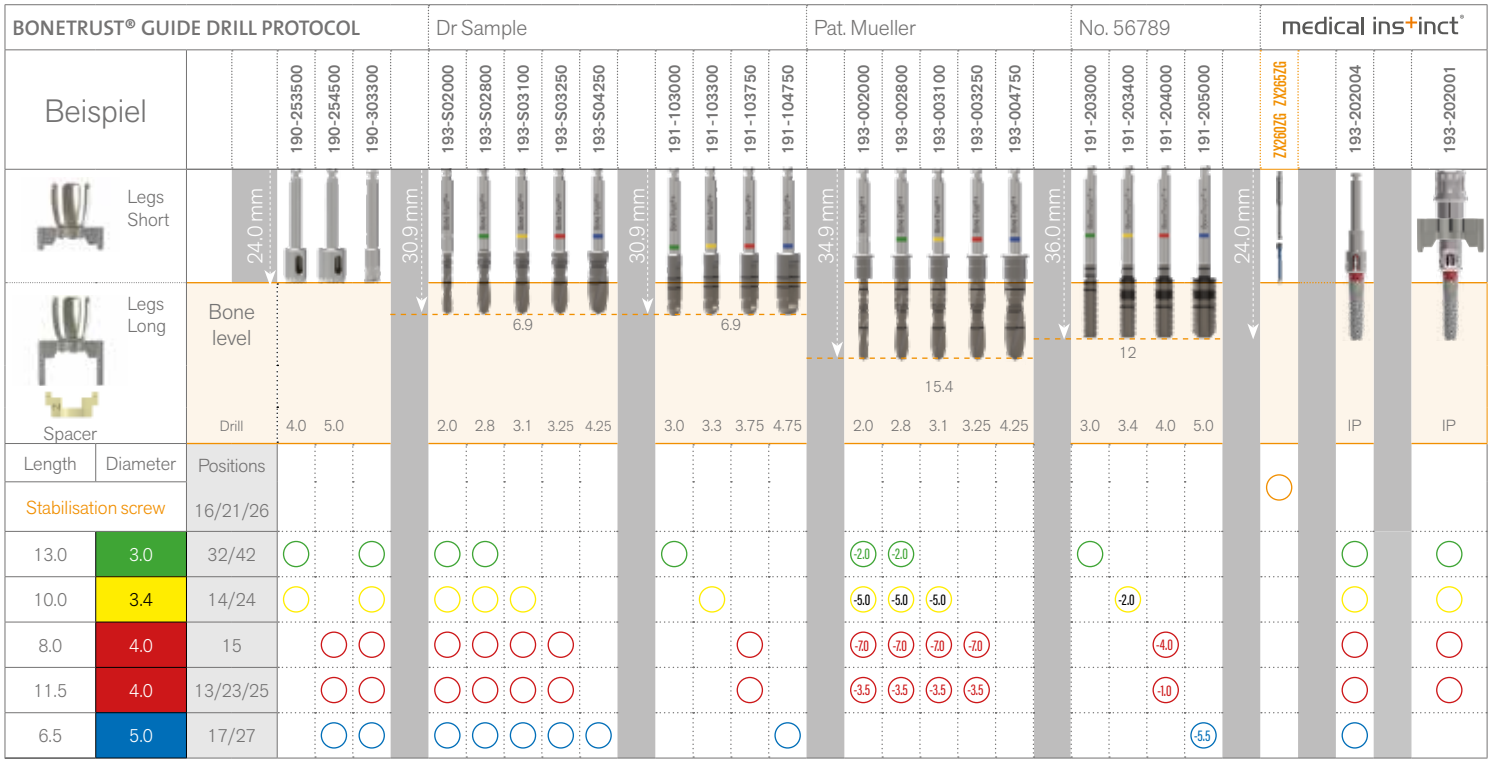
Plastic surgical template

Different spacer heights are used in accordance with the surgery protocol to match the length of each implant.

Various spacers

6. IMPLANTATION IN ACCORDANCE WITH BONETRUST® GUIDE PROTOCOL

Each surgical template is supplied with an individual drill protocol. This shows all individual steps up to implant insertion.



bonetrustguide

The number (3.5) in the circle indicates the spacer height to be used for drilling. IP: Implant Placement

BONETRUST® GUIDE DRILL SYSTEM

GINGIVA PUNCH

4.0 5.0

FLAT DRILL

3.3

TWIST DRILL, SHORT

2.0 2.8 3.1 3.25 4.25

CRESTAL DRILL

3.0 3.3 3.75 4.75

TWIST DRILL

2.0 2.8 3.1 3.25 4.25

BONE THREADER

3.0 3.4 4.0 5.0

NOTE:

Only drills and instruments with the plus symbol + may be used for the BoneTrust® guide system.

For the BoneTrust® guide system one of the following W&H handpieces is required:

W&H HANDPIECES	ARTICLE NO.:
WI-75 E/KM without light, cannot be dismantled	192-302008
WS-75 without light, can be dismantled	192-302009
WS-75L with light (via contact with motor), can be dismantled	192-302010
WS-75LG with light, can be dismantled (also suitable for machines without light)	192-302011

BONETRUST® GUIDE SURGICAL TRAY AND SYSTEM COMPONENTS

The BoneTrust® guide surgical tray contains all additional drills and instruments required in addition to the normal BoneTrust® instruments for guided implantation with BoneTrust® implant systems.

BoneTrust® guide surgical tray, complete
Article no.: 190-300393

GINGIVA PUNCH

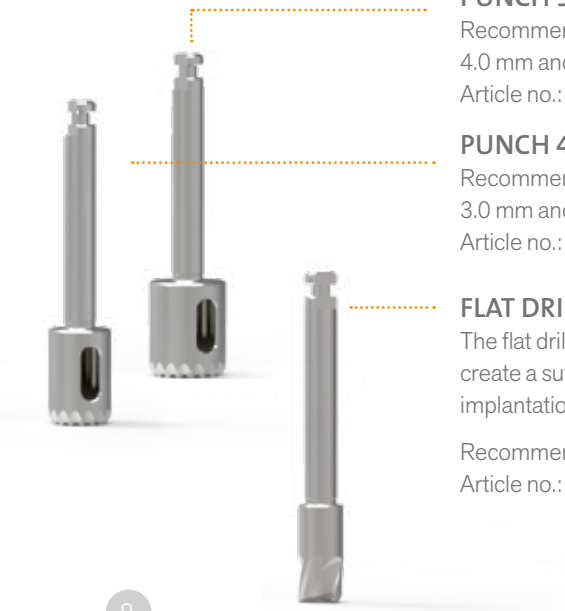
The gingiva punch can be used as an alternative to the conventional flap surgery.
Recommended speed: 30 rpm

PUNCH 5.0

Recommended for implant diameters 4.0 mm and 5.0 mm.
Article no.: 190-254500

PUNCH 4.0

Recommended for implant diameters 3.0 mm and 3.4 mm.
Article no.: 190-253500



FLAT DRILL

The flat drill has a diameter of 3.3 mm and is used to create a sufficiently wide and flat area at the planned implantation region.

Recommended speed: 300 – 600 rpm
Article no.: 193-303300

TWIST DRILLS SHORT

The short starter drills and extension drills were specially developed for the BoneTrust® guide system but can also be used for conventional surgery protocols and their minimal height means they are easy to use with reduced oral opening.

Pre-Drill 2.0 mm short
Article no.: 193-S02000

Extension Drill 2.8 mm short
Article no.: 193-S02800

Extension Drill 3.1 mm short
Article no.: 193-S03100

Extension Drill 3.25 mm short
Article no.: 193-S03250

Extension Drill 4.25 mm short
Article no.: 193-S04250

IMPLANT BRACKET

The implant bracket is used as a transfer and securing aid to release the plastic mount from the implant. The bracket is then used to accept and screw in the implant using the desired placement tool.

Article no.: 190-303020

PLACEMENT TOOL, BTG HP

The BoneTrust® guide placement tool for the handpiece clicks onto the seating coping allowing the implant to be securely guided into the end position.

Article no.: 193-202004

PLACEMENT TOOL, BTG RATCHET

The BoneTrust® guide placement tool for the ratchet can be used to manually position the implant precisely (depth and alignment).

Article no.: 193-202001

2INGIS® CAPS

The 2INGIS® caps are used to secure the 2INGIS® legs.

Article no.: 193-ZY600Z

2INGIS® LEGS

The 2INGIS® legs help to guide the handpiece precisely inside the surgical template. They fit the heads of the following four W&H handpieces: WI-75 E/KM, WS-75 L, 75 L WS-G, WS-75.

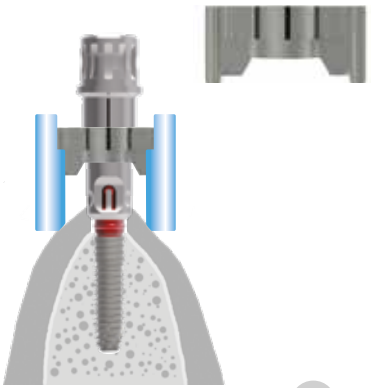
2INGIS® Legs Short
Article no.: 193-ZG300Z

2INGIS® Legs Long
Article no.: 193-ZG301Z

2INGIS® GUIDE ADAPTER RATCHET

The 2INGIS® guide adapter is inserted into the surgical template and is used to plug and guide the BoneTrust® guide placement tool for the ratchet.

Article no.: 193-ZR100Z



Preise in Euro zzgl. gesetzlicher Mehrwertsteuer

BONETRUST® GUIDE DRILL-SEQUENCE

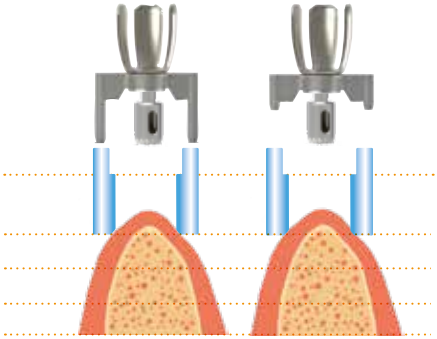
With the legs the handpiece engages into the guidance of the surgical template.

The short and long legs stop at the designated stops in the drill template guides and match the drill length and the available space.

The gingiva punch 4.0 mm or 5.0 mm (depending on implant diameter) can be used as an alternative to the normal opening of a mucous membrane flap.

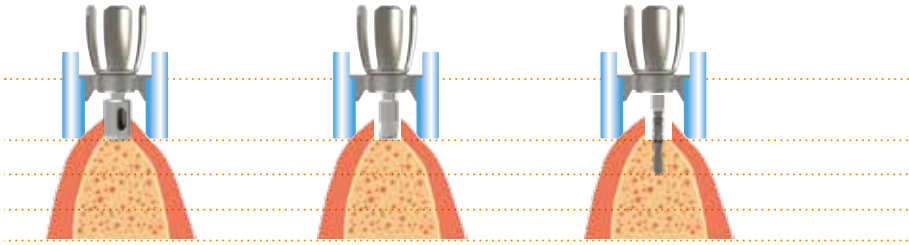
Flat Drill 3.3 mm

The 2.0/2.8/3.1/3.25/4.25 mm twist drills short are used in conjunction with the corresponding legs to prepare up to the desired implant diameter. The drill depth is set by the stops on the guide sleeves and is equivalent to an implant length of 6.5 mm.



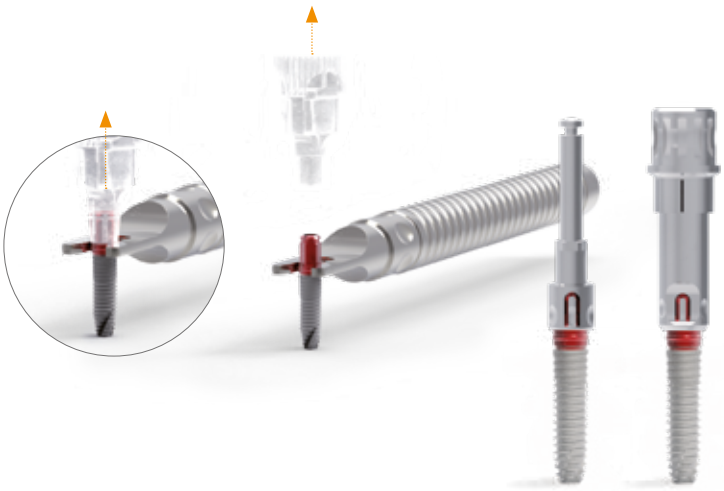
LEGS LONG LEGS SHORT

Bone level
6.5 mm
13.0 mm



IMPLANT BRACKET

The implant bracket is used as a transfer aid to hold the implant on the setting coping thereby the plastic mount can be released. It also makes it possible, that the implant is gripped and accepted with the setting coping by the desired placement tool for handpiece or ratchet.



Crestal drill
3.0/3.3 mm
3.75/4.75 mm
corresponding to implant diameter.

The longer 2.0/2.8/3.1 mm or 3.25/4.25 mm twist drills are used in conjunction with the corresponding legs to prepare up to the desired implant diameter.
The drill depth/implant length is set by the corresponding spacer.

To avoid excessive insertion torques, the 3.0/3.4/4.0 mm or 5.0 mm bone threader (depending on implant diameter) should be used with very cortical bone structures and principally in the maxilla at max. 30 rpm.

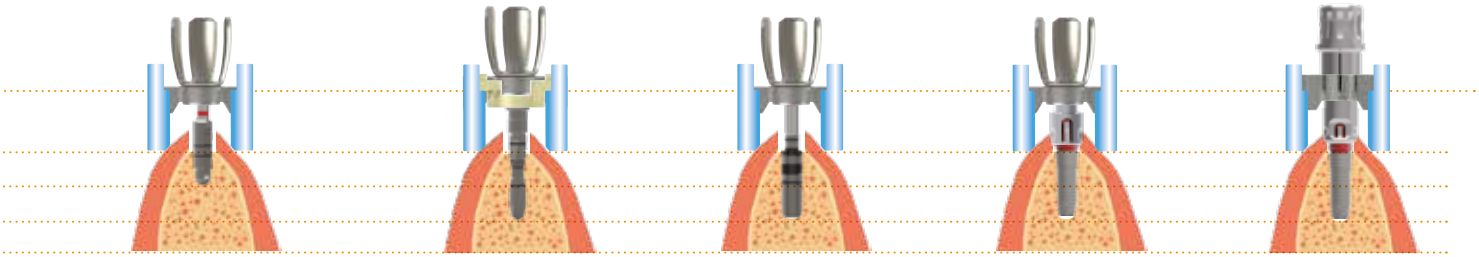
Inserting the implant using the handpiece.

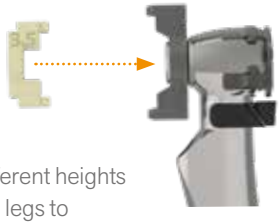
+ Placement Tool, BTG HP

Inserting the implant using the torque ratchet.

+ Placement Tool, BTG Ratchet

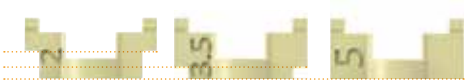
+ 2INGIS® guide Adapter Ratchet





SPACER

Plug spacers with different heights are attached onto the legs to achieve definitive drilling matching implant length.



2INGIS® GUIDE ADAPTER RATCHET

The guide adapter for the ratchet is inserted into the surgical template guide sleeves and then used to accept and guide the guide placement tool for the ratchet. Vertical lines on the guide adapter and the placement tool for the ratchet are used for the precise positioning of the hex/torx in the implant for aligning the abutment later.

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