

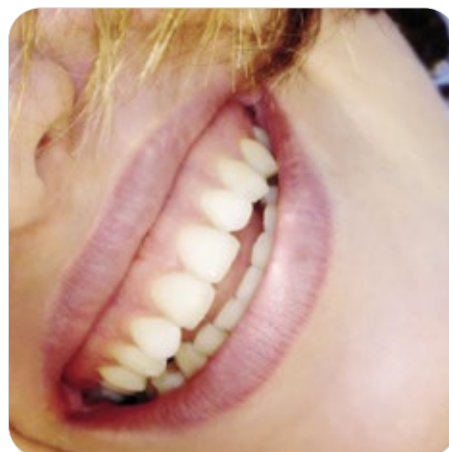


Classic



RatioPlant

About us...



Our extensive experience in the field of human implantology and our expertise in the development, manufacture and testing of implants and instrument combinations guarantees the high functional use of all HumanTech products. In conjunction with the growing need to increase the quality of human life and the dynamic changes in the market, under increasing price and margin pressure, cost-orientated manufacture and distribution will assume more and more importance.

HumanTech is a corporate group that is wholeheartedly committed to the use and manufacture of implants and instruments in the medical field and that develops and tirelessly seeks improved solutions. We, as the manufacturer, eliminate unnecessary distribution costs by obtaining and distributing HumanTech products directly:

From development, to the finished product, right through to customer service – everything from a single source!

We manufacture, package and dispatch RatioPlant® dental implants directly to our customers in line with current directives. The diversity of the RatioPlant® implant product line offers a wide range of clinical solutions, such as reconstructions of single teeth, screwed or firmly cemented bridges and partial or full prostheses. The implants are manufactured from biocompatible titanium-alloy and are at the cutting edge of science thanks to their blasted and etched surface. All RatioPlant® implants fulfil the highest international standards.

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RatioPlant® Classic

Tried-and-tested hexagonal connection with a polished edge that is mucosa-friendly.



Standard

Large

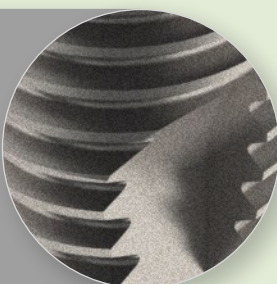
Micro-grooves in the neck area of the implant.



Cylindric design for easy placement and excellent cosmetic results.



An atraumatic self-cutting thread with three extra-long cutting slots to collect bone chips and act as an anti-rotational mechanism.



The Classic line is also suitable for non-invasive use for direct sinus lifts thanks to the rounded surface of the tip of the implant.











RatioPlant® Classic

Simple colour system

The RatioPlant® Classic implants and drills are marked, depending on the diameter, in the colours **red** (3.8mm), **green** (4.2mm), **blue** (5.0mm) and **white** (6.0mm). This makes it easier to prepare the operating room and provides additional safety when inserting implants.

Classic implant sizes with Art.No.

mm	3.8	4.2	5.0	6.0
8.0	5001138080 	5001142080 	5001150080 	5001160080 
10.0	5001138100 	5001142100 	5001150100 	5001160100 
11.5	5001138115 	5001142115 	5001150115 	5001160115 
13.0	5001138130 	5001142130 	5001150130 	5001160130 
16.0	5001138160 	5001142160 	5001150160 	

Platform

RatioPlant® Classic implants are available in four diameters and up to five lengths. All implant sizes are distributed across two platforms. This greatly reduces the number of healing caps, tools and prosthetic components.

mm	3.8	4.2	5.0	6.0
	Standard 		Large 	

User-friendly, safe and easy...

All RatioPlant® implants are in special tube internal packaging, located in an extra blister pack. User-friendly, safe and sterile packed. This packaging provides soft inclusion with the insertion instrument directly from the tube during the surgery. Patient labels with all relevant data facilitate documentation of the implants used.



Removing implants



Removing cover screw





Surgical Kit

RatioPlant Classic Kit BG

Art.No. 50139004075

The RatioPlant® Classic Kit contains all of the tools and instruments needed for the easy and safe integration of the implants and accessories from the Classic systems. It is very handy thanks to its small dimensions. The snap closure allows easy opening of the set and, if desired, the tray can be taken out the box for better handling of the instruments. The material is easy to clean due to its smooth surface, and it is suitable for sterilisation in an autoclave.

RatioPlant Avantgarde Kit Prosthetic PPSU

Art.No. 5013904076-9

The RatioPlant® prosthetic kit contains all necessary tools and instruments for a safe and easy integration of prosthetic components belonging to all RatioPlant® systems. Due to its small measurements of 148x100x(h)18mm this kit is very handy. The click lock allows easy opening of the set and if necessary the lid can be removed from the housing. The material is very easy to clean due to its smooth surface and is suitable for sterilisation in autoclaves.

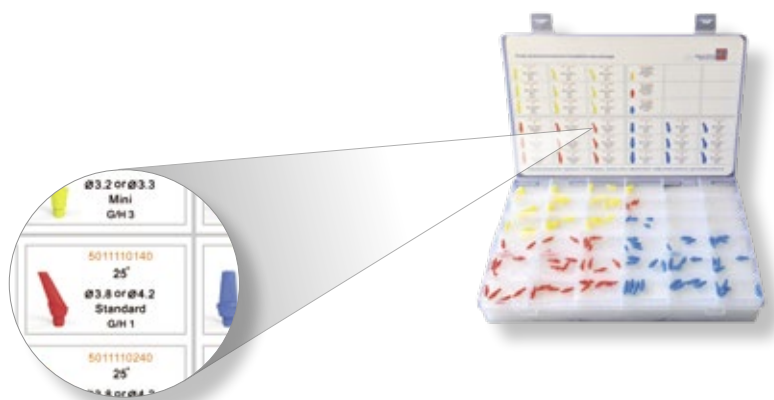


Sample Kit

(Art.No. 5013904085)

The RatioPlant® Sample Set contains all the sizes and shapes of common abutments for easy and safe determination of the prosthetic components of the RatioPlant® system. Thus, it is easy to determine the correct abutment on the master model and to place the order without having an original abutment.

The Sample Kit is only available as complete kit.



Instruments

Name	Art.No.
------	---------

ratchet torque	5012303002
----------------	------------



adapter hex ratchet short	5012302003
---------------------------	------------



adapter hex ratchet long	5012302004
--------------------------	------------



adapter hex ratchet extra long	5012302017
--------------------------------	------------



adapter hex motor short	5012302001
-------------------------	------------



adapter hex motor long	5012302002
------------------------	------------



screwdriver hex ratchet short	5012301003
-------------------------------	------------



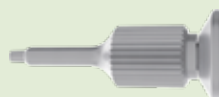
screwdriver hex ratchet long	5012301005
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drill extender	5010308001
----------------	------------



screwdriver hex hand short	5012301004
----------------------------	------------



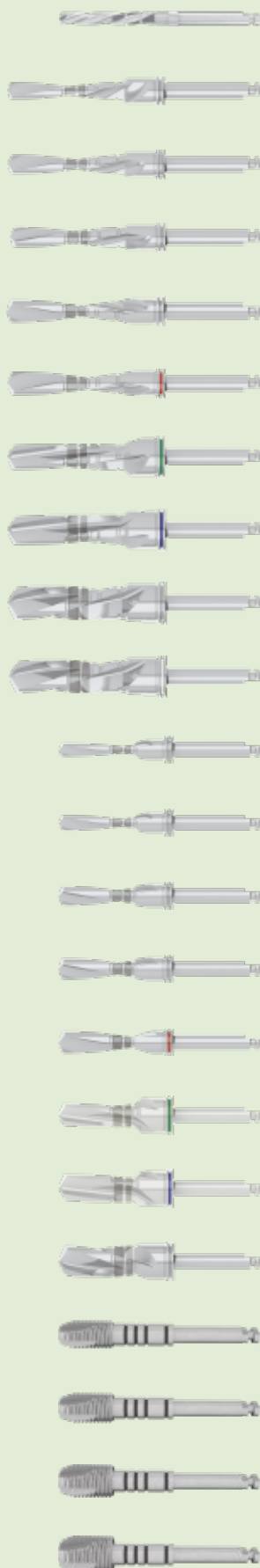
screwdriver hex hand long	5012301006
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parallel post	5012332240
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Drills



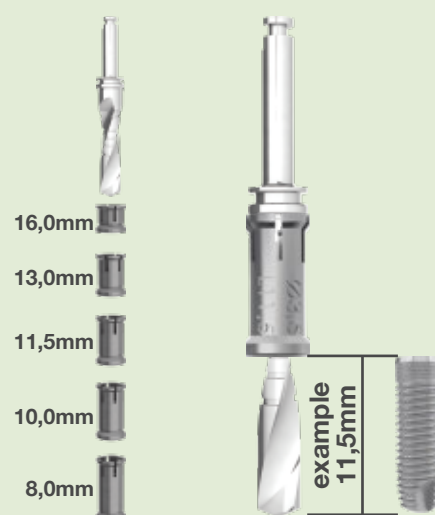
Name	Art.No.
pilot drill 15	5010315340
twist drill 24	5010324374
twist drill 28	5010328374
twist drill 30	5010330376
twist drill 32	5010332376
twist drill 35	5010335377
twist drill 38	5010338378
twist drill 45	5010345382
twist drill 50	5010350382
twist drill 55	5010355382
twist drill 24 L11,5mm	5010324375
twist drill 28 L11,5mm	5010328375
twist drill 30 L11,5mm	5010330377
twist drill 32 L11,5mm	5010332377
twist drill 35 L11,5mm	5010335378
twist drill 38 L11,5mm	5010338379
twist drill 45 L11,5mm	5010345383
twist drill 50 L11,5mm	5010350383
thread cutter 3.8	5001307011
thread cutter 4.2	5001307012
thread cutter 5.0	5001307013
thread cutter 6.0	5001307014

Drill bits

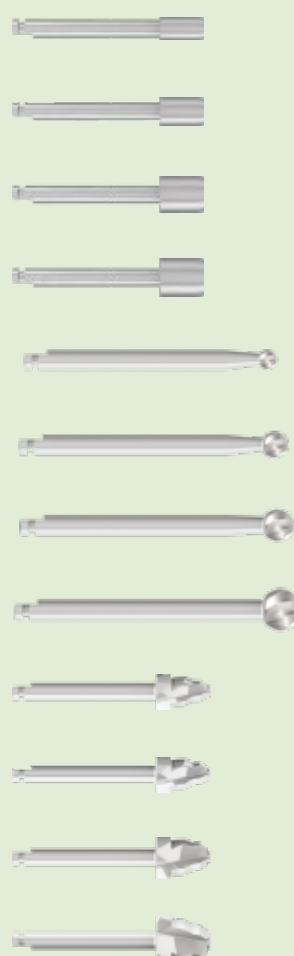
All drills drilling stops are available for the shaft diameters of 3.5 mm and 5.5 mm respectively in lengths of 8.0 mm, 10.0 mm, 11.5 mm, 13.0 mm and 16.0 mm, corresponding to the RatioPlant® implants.

The example below illustrates this with reference to a RatioPlant® Classic implant with a length of 11.5 mm.

The sleeve is simply pushed onto the appropriate drill down to the shank, until it clicks in. The Drilling Stops are easy to change and to clean.



Name	Art.No.
drilling stop Ø3,5 - L8,0	5012307020
drilling stop Ø3,5 - L10,0	5012307021
drilling stop Ø3,5 - L11,5	5012307022
drilling stop Ø3,5 - L13,0	5012307023
drilling stop Ø3,5 - L16,0	5012307024
drilling stop Ø5,5 - L8,0	5012307025
drilling stop Ø5,5 - L10,0	5012307026
drilling stop Ø5,5 - L11,5	5012307027
drilling stop Ø5,5 - L13,0	5012307028
drilling stop Ø5,5 - L16,0	5012307029
gingiva cutter 3.5	5012307010
gingiva cutter 4.2	5012307011
gingiva cutter 5.0	5012307012
gingiva cutter 6.0	5012307013
rose-head bur 23	5010323340
rose-head bur 35	5010335340
rose-head bur 40	5010340340
rose-head bur 50	5010350340
countersink 3.8	5010338265
countersink 4.2	5010342265
countersink 5.0	5010350265
countersink 6.0	5010360265

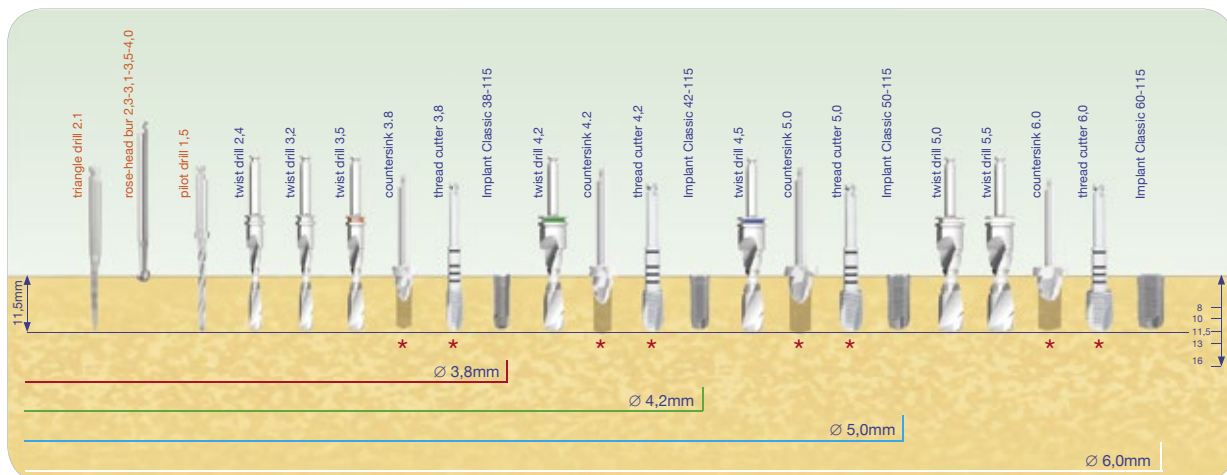


Drill protocol

Bohrprotokoll für RatioPlant® Implantate
Drilling protocol for RatioPlant® Implants
 Document No. 5014040112
 Revision 01/2019

Classic

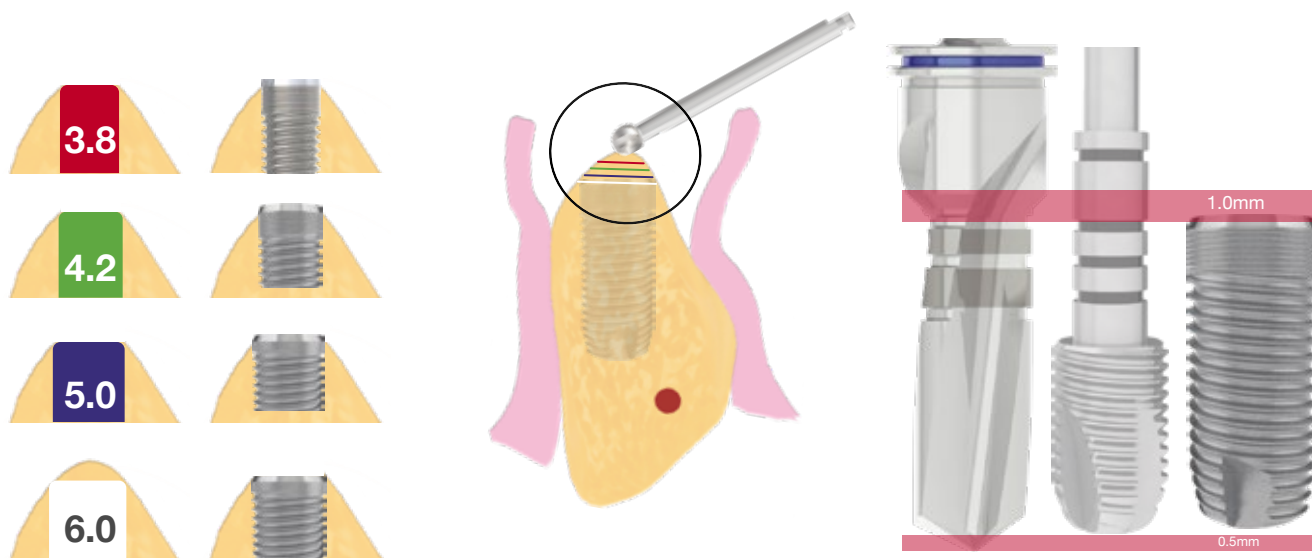
HumanTech
Dental



Tool	3 verschiedene Vorbohrer zur Auswahl 3 different gimlet burs at your choice			Versenker countersink				Spiral Bohrer twist drill			
	Triangelbohrer triangle drill	Rosenbohrer rosehead bur	Pilotbohrer pilot drill	3.2	3.8	4.2	5.0	6.0	3.5	3.8	4.5
Ø [mm]	2.1	2.3 3.1 3.5 4.0	1.5								
Drehzahl/RpM	800	800	1000						500	450	400

★ Anzuwenden bei D1 und optional bei D2 Knochen / Use in D1 and optional in D2 type bone!

Tiefenmarkierungen an allen Spiralbohrern entsprechend den Implantatlängen bei 8, 10, 11.5, 13 und 16mm / Depth markings on all twist drills according to the implant lengths of 8, 10, 11.5, 13 and 16mm
 Um einer Schädigung des Knochengewebes vorzubeugen, ist die abgebildete Bohrfolge einzuhalten! / To prevent damage of the bone tissue, the imaged drilling sequence is observed!

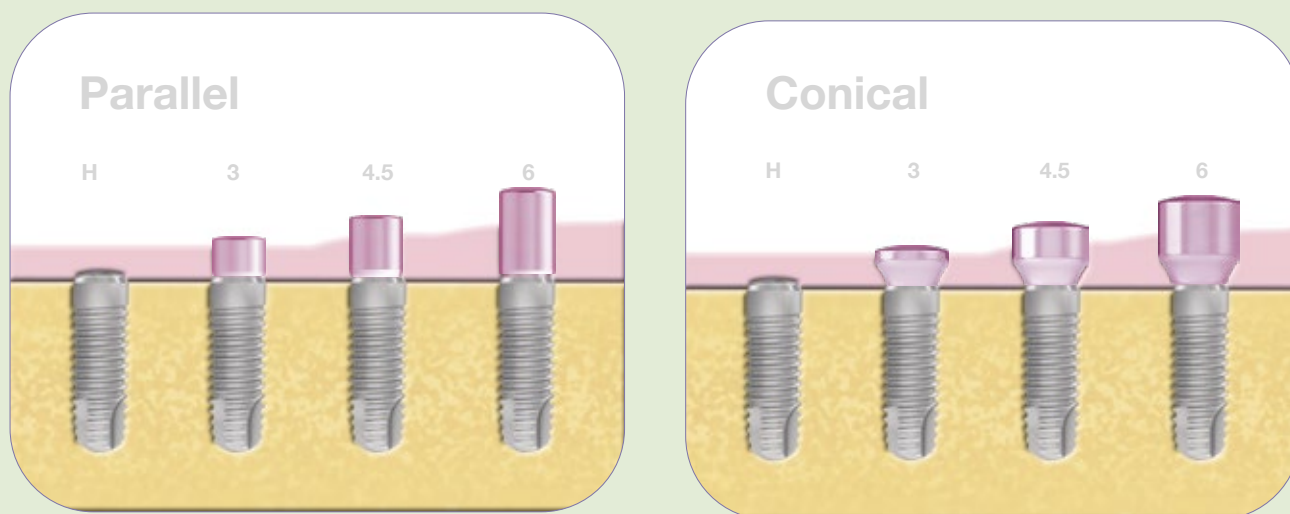


Basic approach to the preparation of the implant bed

Before preparing the implant bed, especially in the case of a narrow and pointed alveolar ridge, smooth the ridge gently with a large round rosen drill bit or a suitable bone miller. This will give you a flat and sufficiently wide bone surface. In case of a dense bone (D1 and D2) the appropriate thread cutter can be used optionally.

Note: When selecting the drills and implants, the vertical reduction of the bone must be taken into account!

Healing screws



Once the implant has been inserted, the Standard or Large cover screw is used to lock everything in place. After a healing period of 4 to 6 months, depending on the situation, the implant is expanded up to the desired diameter using the healing screws to prepare for taking impressions and the prosthetic treatment of the gingival part. During this process, the parallel or conical healing screws are used chronologically.

healing cap par 3.0 S a 5011106056

healing cap par 4.5 S a 5011106057

healing cap par 6.0 S a 5011106058

healing cap par 3.0 L a 5011106062

healing cap par 4.5 L a 5011106063

healing cap par 6.0 L a 5011106064

healing cap con 3.0 S a 5011106059

healing cap con 4.5 S a 5011106060

healing cap con 6.0 S a 5011106061

healing cap con 3.0 L a 5011106065

healing cap con 4.5 L a 5011106067

healing cap con 6.0 L a 5011106068

healing cap individual Peek S 5011206001

healing cap individual Peek L 5011206002



healing cap parallel - **Standard**
Ø Standard 4 mm
Height 3, 4.5, 6 mm



healing cap parallel - **Large**
Ø Large 5,5 mm
Height 3, 4.5, 6 mm



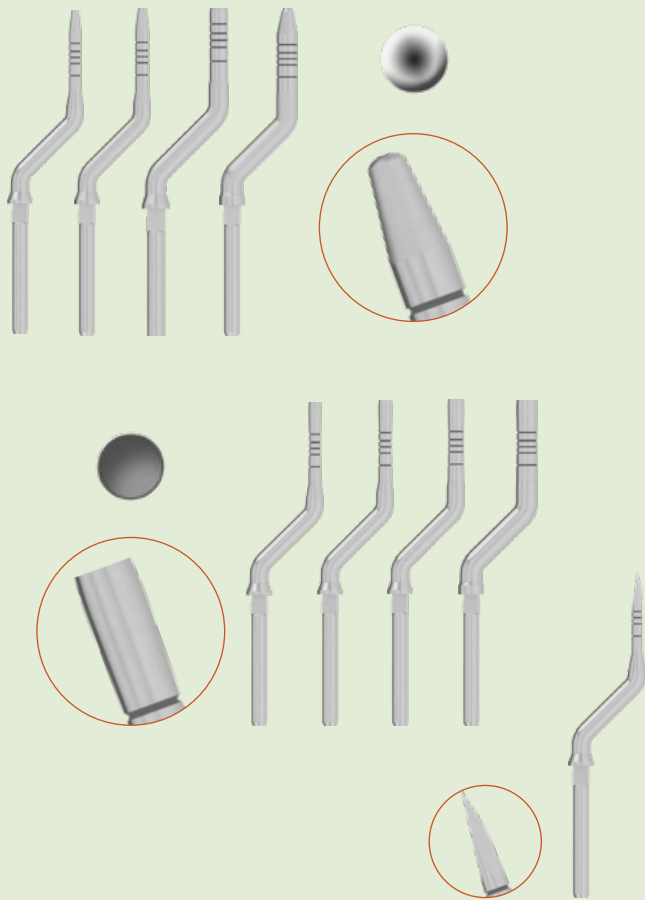
healing cap conical - **Standard**
Ø Standard 5 mm
Height 3, 4.5, 6 mm



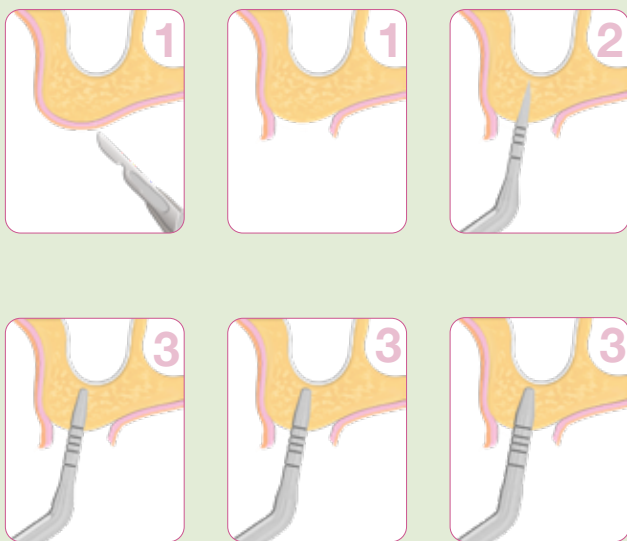
healing cap conical - **Large**
Ø Large 6,3 mm
Height 3, 4.5, 6 mm



Osteotomy



Example of the clinical procedure



Handle

Multiplex Handle 5012301007

Convex

Osteotom convex 3.0 5012301010

Osteotom convex 3.4 5012301011

Osteotom convex 4.0 5012301012

Osteotom convex 5.2 5012301013

Concav

Osteotom concav 3.0 5012301020

Osteotom concav 3.4 5012301021

Osteotom concav 4.0 5012301022

Osteotom concav 5.2 5012301023

Awl

Osteotom Awl 2.5 5012301024



example with RatioPlant® Classic 4.2 - 100

Exposure with scalpel (1).
Center punching - fix implant position with awl (2).

Socket preparation until inner cortical area (3).

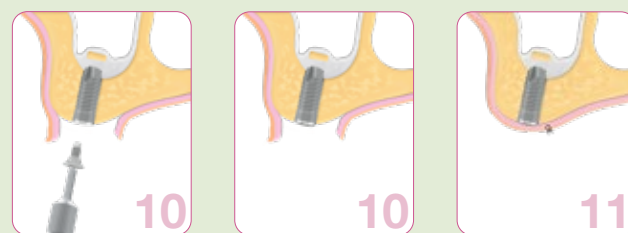
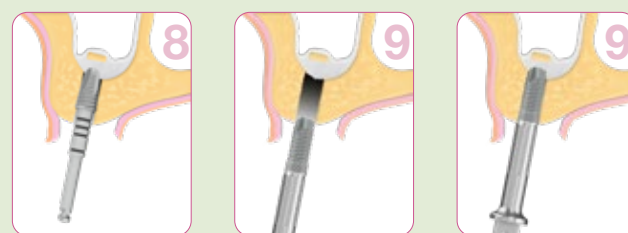
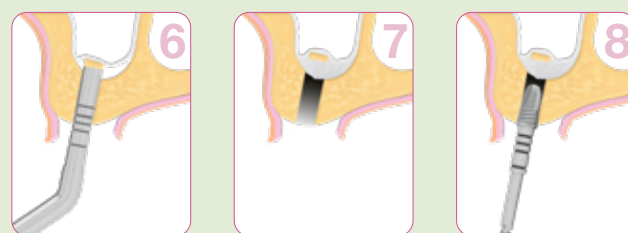
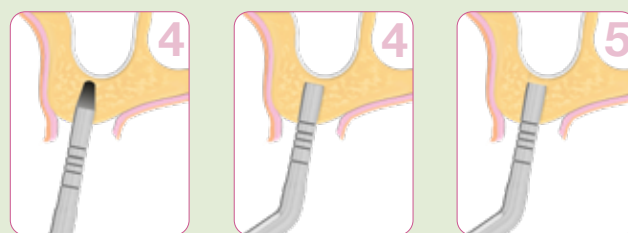
Expansion(Condensation) to necessary diameter.
Positioning of osteotom (4).

Aperture with carefully strokes (5).
Lifting the Schneiderian membrane and filling with suitable augmentation material (6-7).
Thread cutting - optional for D1/D2 bone (8).

Insertion of implant with adapter hex motor or adapter hex ratchet and ratchet torque with max. 40 Ncm (9).

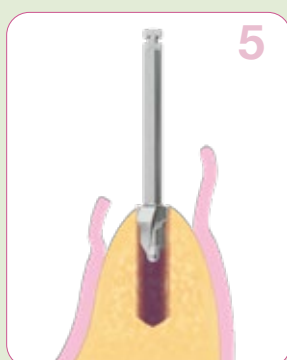
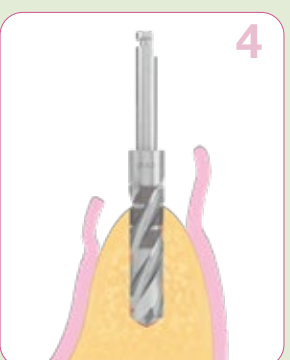
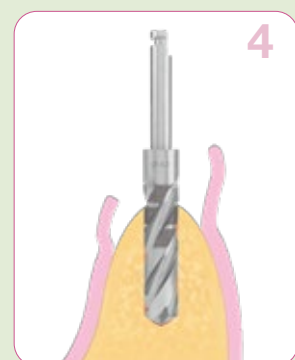
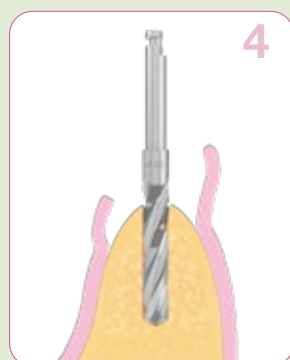
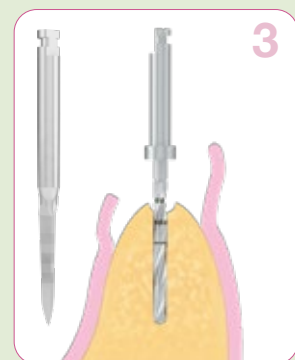
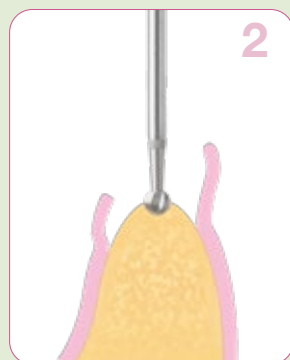
Set cover screw (10).
Wound closure (11).

X-ray control (12).



RatioPlant® Classic

Surgical phase



for example, RatioPlant® Classic 4.2/11.5

Exposure of the bone using scalpel or mucosal punch. Removal of the periosteum and preparation of the flap (1).

Punch marking with a round burr bit; fix the implant position, level the bone plateau by milling if necessary (2). Note that the bone plateau defines the end position of the drilling stop (mentioned on page 12).

Pilot drilling with pilot drill bit, alternatively with triangle drill bit (3).

Extension drilling at the corresponding diameter, with twist drill bits of the desired length and at an increasing diameter (4).

Colour markings on the final drill bits:

red	für ø 3.8
green	für ø 4.2
blue	für ø 5.0
white	für ø 6.0

Countersink according to the implant diameter (optional for D1/ D2 bone quality) to enlarge the cortical area to allow insertion of the implant without excessive pressure (5).

In case of a dense bone use the thread cutter analog to the implant size (5).

Note:

- optionally for D1/D2-Bone
- keep the rpm on a low (as seen on page 12)
-

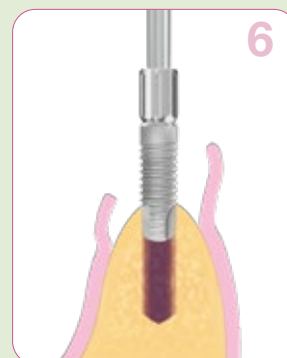
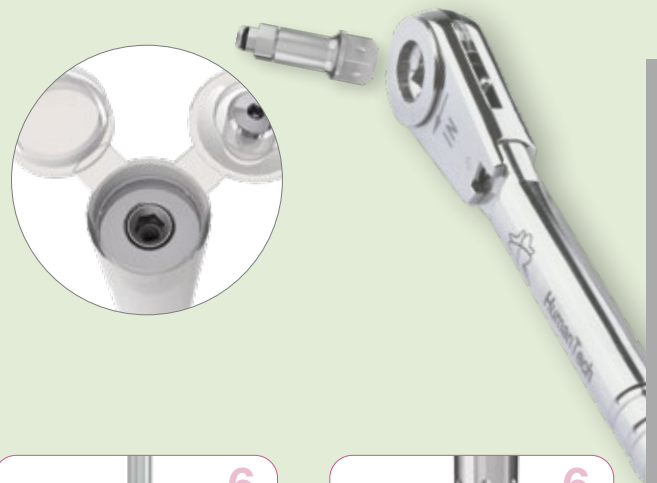
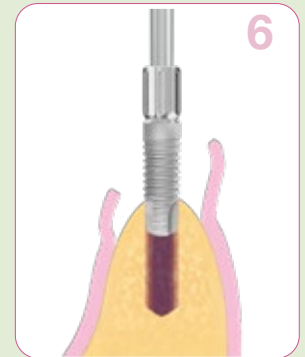
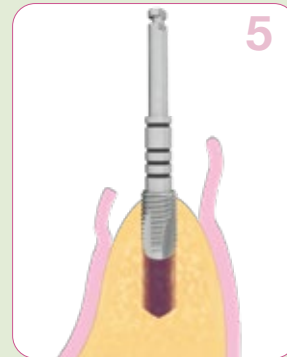
Place the implant with the adapter for motor, preferably with the torque ratchet with max. 40 Ncm (6).

Remove the implant with the adapter for the ratchet or motor directly from the sterile plastic tube after opening the two lids. A cover screw is located in the upper lid. After opening the intermediate cover, the implant can be removed.

Ensure and note the final position:

The marking on the inserter should ideally be orientated towards the buccal! The mark indicates the direction of the inclination in the 15° and 25° abutments (6).

For concealed healing, seal the implant with the cover screw. This is tightened by hand (7). Alternatively, a corresponding healing cap can be placed to allow open healing. The augmentation material can be placed optionally.

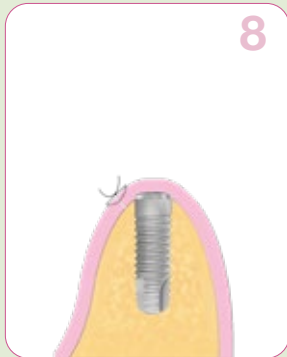


RatioPlant® Classic

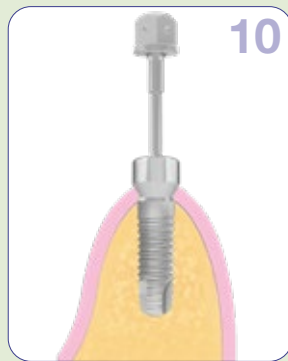
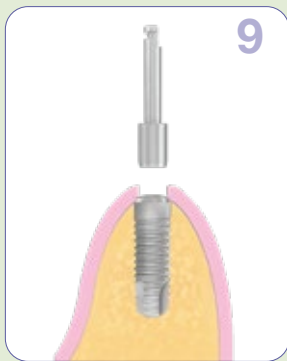
Surgical phase

for example, RatioPlant® Classic 4.2/11.5

Wound closure and subsequent X-ray check (8).



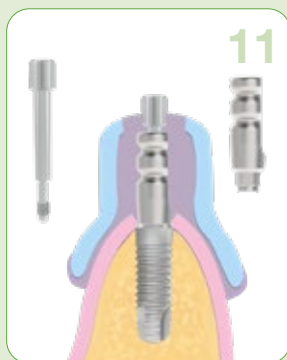
Healing phase



After healing (4 to 6 months re-opening):

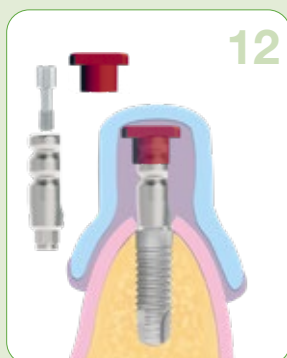
Exposing using a scalpel or mucosal punch (9), remove the cover screw, insert the healing cap and tighten by hand (10). If necessary, attach mucosa to the healing caps by placing a suture.

Prosthetic treatment



After shaping of the mucosa, impressions can be taken. Impression posts are available for two imprint procedures:

- Open impression method with individual tray – impression posts (Standard and Large) for open impression with the long impression screw (11).



- Closed impression method with Standard or individual tray – impression posts for closed impression (Standard and Large) with the prosthetic screw and transfer cap (12).

After making the prosthetics in the dental laboratory, remove the healing caps. Insert abutment and tighten with new prosthetic screw with max. 25 Ncm using a torque ratchet (13-14).

Note:

Always repeat tightening with the torque after 5 minutes!

Insert the dental prosthesis (in this case, a crown)(15).

Note:

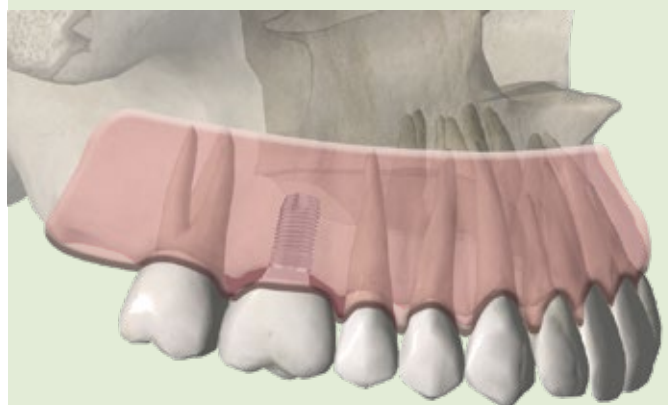
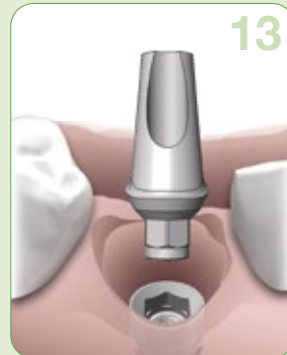
Before cementing, it is essential to apply a retraction thread to prevent cement residues from penetrating into the area of the implant! Otherwise there is a risk of peri-implantitis.

General note

The above-mentioned descriptions are not sufficient for the immediate application of the RatioPlant® implant system. We recommend training from an experienced surgeon in how to use the RatioPlant® implant system. As a rule, the RatioPlant® implant system must be used only by trained dentists, implantologists and dental technicians.

Methodological errors may result in the loss of the implants and damage to the peri-implant bone substance. The products are processed and applied beyond our control and are the sole responsibility of the user. We do not accept any liability for any damage caused in this way.

Please also note and observe our instructions on page 35 of this brochure regarding safety, liability and guarantees.



QR code for the user manual

RatioPlant® Classic

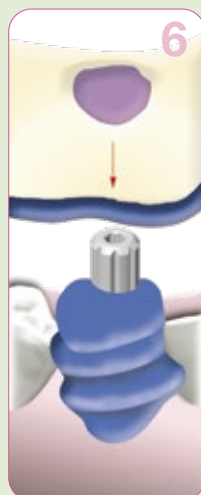
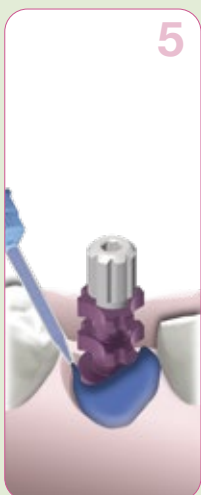
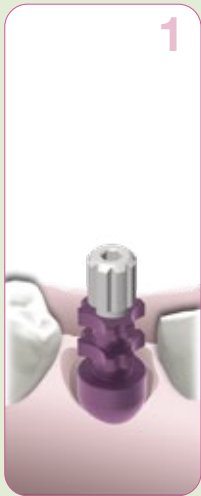
Sequence of steps for an open impression

Place the impression posts for open impression with the enclosed long screws on the implant and hand tighten (1).

Test the appropriate impression tray (2).

Apply wax sheet or suitable foil on the depression hole and place suitable impression material on the impression tray (3-4).

Apply impression material with fine syringe into the sulcus area, ensure it is free of air pockets and place the prepared impression tray into position without tension (5-6).



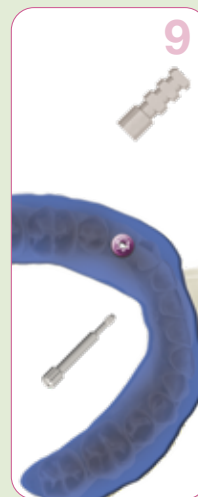
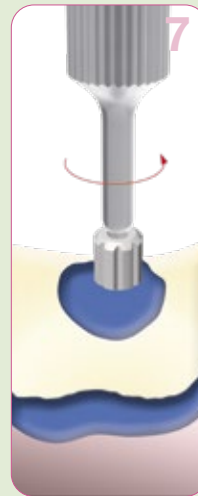
Release the impression screw after the prescribed hardening time (7).

Remove the impression and prepare with a suitable disinfection agent (8).

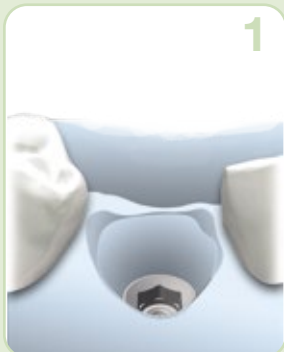
Hand tighten the impression posts with the corresponding laboratory analogue with the long screw (9).

When needed, add a gingival sleeve made of an appropriate Material, subsequently fill in the model material in the Impression and fix it on a socket (10-11).

To lift the impression, loosen the impression screw. Finished master model (12).



Example of dental technology



Sequence of steps for a single crown with titanium abutment

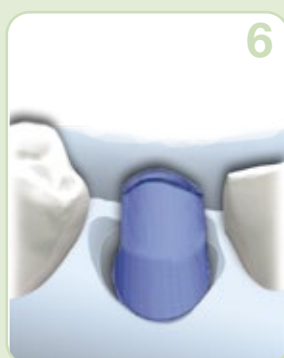
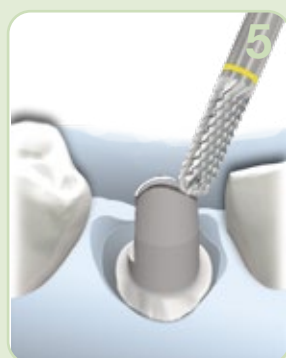
Model with model analogue.

Select titanium abutment corresponding to implant diameter, angles and depth of mucous membrane and hand tighten with a laboratory screw (violet)(1-2).



Mark the gingival margin on the model on the abutment, release laboratory screw and remove the abutment. Then remove the excess with a suitable milling cutter (3). We recommend using a separate laboratory analogue for improved processing.

Affix to the model again with the laboratory screw (4).

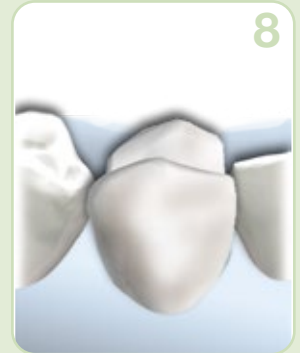
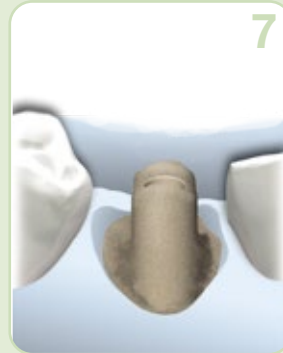


Shorten from occlusal, to make more space for the crown (5).
Modelling of the wax or plastic crown (6).



QR-Code for the user manual

Crown prepared for ceramic veneer after casting (7).
Finished ceramic crown (8).



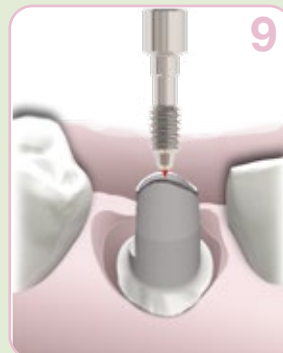
Example of cementing

After removal of the temporary treatment and cleaning, place the abutment into the mouth with the prosthetic screw with the aid of the torque ratchet at a torque of max 25 Ncm (9).

Note:

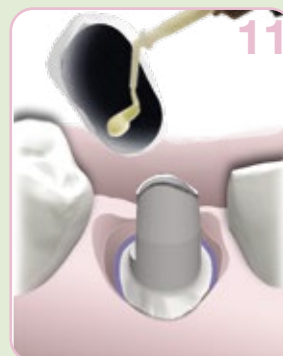
Insert abutment (always tighten with new prosthetic screw with max. 25 Ncm using a torque ratchet. It is essential to repeat this after 5 minutes!)

Always use a retraction thread to avoid the excess cement getting into the subgingival space (10)!



Seal the screw channel on the abutment with a cotton pellet or similar before cementing. Mix suitable material for cementing and fill the crown (11).

Position the crown and allow it to harden with contact to the antagonist. Remove excess cement and retraction thread after the hardening time and clean the entire area (12).



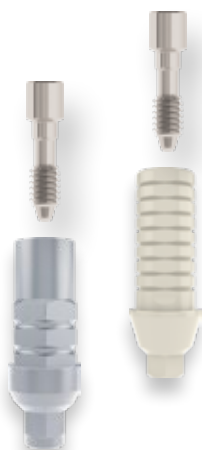
Overview of prosthetic components

Impression posts



RatioPlant® impression posts are available for all platforms, for impression procedures with open or closed tray, as well as for making digital impressions. The perfectly harmonised components guarantee precise transfer of the oral situation to the master model or into the digital work environment.

Temporary abutments



Temporary abutments offer solutions for the temporary restoration of aesthetics, tissue contouring and immediate function. RatioPlant® offers a wide range of temporary abutments for both screwed and cemented restorations.

Cementable abutments



RatioPlant® cemented abutments are available in a range of materials, forms, angles and sizes for all platforms in order to fulfil individual patient requirements.

Aesthetic abutments



CAD-CAM discs allow occlusally-screwed crowns and/or individual abutments to be manufactured in the digital milling process with a precise connection structure. RatioPlant® adhesive abutments were developed specifically for the manufacture of individual hybrid abutments consisting of a prefabricated Ti adhesive base and an individually manufactured zirconium or pressed ceramic base using suitable 2K adhesive and are ideally suited for high-quality front tooth restoration.

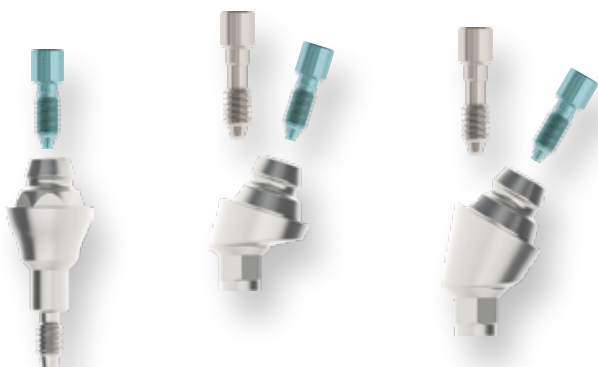
Abutments hybrid prosthetics



Implant-supported full prostheses can be used with a minimum of just two supporting implants, resulting in cost benefits for a number of patients. Equator and retentive anchors are ideal for the secure hold of prostheses in both the upper and lower jaw. These hybrid prostheses can also be easily managed by elderly patients and patients with disabilities.

MultiUnit abutments

0° 17.5° 30°



The RatioPlant® MultiUnit abutments solve challenging situations in the case of patients without teeth and offer a range of angles, shoulder heights and prosthetic components for individual and optimal treatment. The elaborate design ensures efficient treatment, including with immediate loading of the construction under the right conditions, and features an excellent system overview and a high degree of user friendliness.

Prosthetics Classic



Screw/impression

prosthetic screw normal

5011109001



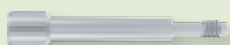
lab screw

5011109004



prosthetic screw ZiO

5011109005



impression screw long

5011109006



impression post open tray S a
incl. impression screw long

5011105051



impression post closed tray S a
incl. prosthetic screw

5011105054



transfer cap S

5011105007



impression post open tray L a
incl. impression screw long

5011105052



impression post closed tray L a
incl. prosthetic screw

5011105055



transfer cap L

5011105009



lab analog S a

5011110006



lab analog L a

5011110007

Titan abutments Standard

S

abutment Ti 0 con S H1 5011110120
abutment Ti 0 con S H2 5011110220
abutment Ti 0 con S H3 5011110020
each incl. prosthetic screw normal

abutment Ti 15 con S H1 5011110130
abutment Ti 15 con S H2 5011110230
abutment Ti 15 con S H3 5011110030
each incl. prosthetic screw normal

abutment Ti 25 con S H1 5011110140
abutment Ti 25 con S H2 5011110240
abutment Ti 25 con S H3 5011110040
each incl. prosthetic screw normal

quick-abutment S 5011110010
incl. prosthetic screw normal
quick plastic cap 5011210060



0°



15°



25°



Titan abutments Large

L

abutment Ti 0 con L H1 5011110121
abutment Ti 0 con L H2 5011110221
abutment Ti 0 con L H3 5011110021
each incl. prosthetic screw normal

abutment Ti 15 con L H1 5011110131
abutment Ti 15 con L H2 5011110231
abutment Ti 15 con L H3 5011110031
each incl. prosthetic screw normal

abutment Ti 25 con L H1 5011110141
abutment Ti 25 con L H2 5011110241
abutment Ti 25 con L H3 5011110041
each incl. prosthetic screw normal

quick-abutment L 5011110011
incl. prosthetic screw normal
quick plastic cap 5011210060



0°



15°



25°



Zirconium oxide autments

abutment ZrO 0 con a S 5011410022
abutment ZrO 15 con a S 5011410032
abutment ZrO 25 con a S 5011410042
each incl. prosthetic screw ZrO

abutment ZrO 0 con a L 5011410023
abutment ZrO 15 con a L 5011410033
abutment ZrO 25 con a L 5011410043
each incl. prosthetic screw ZrO

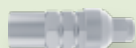
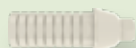
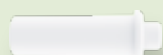
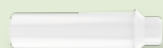
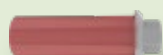
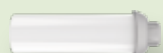
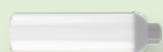


S



L

Prosthetics Classic



Gold-plastic abutments

gold abutment S
incl. prosthetic screw normal 5011510001

gold abutment hex S
incl. prosthetic screw normal 5011510002

gold abutment L
incl. prosthetic screw normal 5011510011

gold abutment hex L
incl. prosthetic screw normal 5011510012

Plastic abutments

plastic abutment S
incl. prosthetic screw normal 5011210001

plastic abutment hex S
incl. prosthetic screw normal 5011210002

plastic abutment L
incl. prosthetic screw normal 5011210010

plastic abutment hex L
incl. prosthetic screw normal 5011210011

Temporary abutments

PEEK abutment provisional S
incl. prosthetic screw normal 5011610101

PEEK abutment provisional L
incl. prosthetic screw normal 5011610102

Ti abutment provisional S
incl. prosthetic screw normal 5011110101

Ti abutment provisional L
incl. prosthetic screw normal 5011110102

Prosthetic components CAD-CAM

scan connector S	5011105057
scan connector L	5011105058
Abutment Ti S CAD CAM	5011110441
Abutment Ti L CAD CAM	5011110442



Information CAD-CAM:

When using the CAD CAM abutments, the necessary due diligence must be applied, as the limits given in the software can not take into account all eventualities, and otherwise the required creative freedom would be too limited.

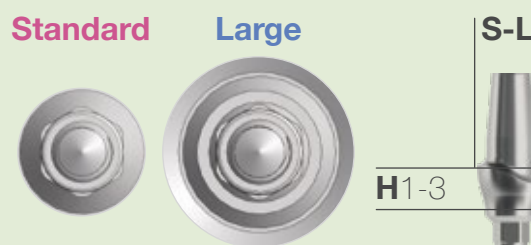
Adhesive abutments

Ti adhesive abutment Standard incl. prosthetic screw normal	5011110050
Ti adhesive abutment Large incl. prosthetic screw normal	5011110060



Soft-tissue management

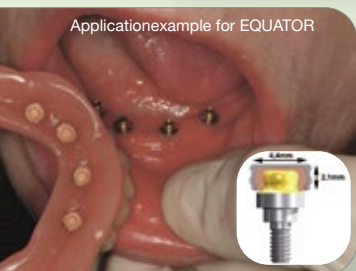
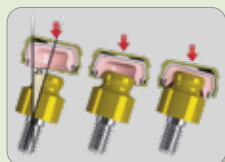
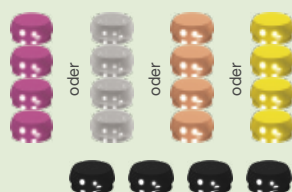
For the Classic system, abutments are available for the 2 platforms – Standard (3.8/4.2 mm) and Large (5.0/6.0 mm) and 3 different neck heights (H1 = 1.5 mm, H2 = 3.0 mm and H3 = 5.0 mm) to cover different soft tissue forms. The abutments correspond exactly to the emergence profile of the previously used healing screws and can be used on all Classic implants. This range of options allows the optimal transition between the implant and dental prosthesis.



Important information for all abutments

The sealing surfaces at the points at which the abutments come into contact with the implant must not be grinded, polished or processed in any way. It is essential that care be taken to ensure an optimal fit. Machining the sealing surfaces leads to the loss of the guarantee.

Prosthetics Classic



Application example for EQUATOR

Prosthetic Components Hybrid Dentures

EQUATOR*-Abutment Kit A

1 metal casing, 4 plastic caps with different retention (violet-strong; white-standard; pink-soft; yellow-extra soft), 1 distance plate, 1 EQUATOR implant abutment S or L..

OT EQATOR S H1	5011008013
OT EQATOR S H2	5011008014
OT EQATOR S H3	5011008015
OT EQATOR S H4	5011008037
OT EQATOR S H5	5011008038
OT EQATOR S H6	5011008046
OT EQATOR S H7	5011008047
OT EQATOR L H1	5011008016
OT EQATOR L H2	5011008017
OT EQATOR L H3	5011008018
OT EQATOR L H4	5011008068
OT EQATOR L H5	5011008069

EQUATOR retention caps set

1x metal casing, 1x laboratory cap,) 4x retention caps (1x each of extra-soft, 1 soft, 1 standard, 1 strong)

5011008024

EQUATOR Set Smartbox

(1 metal casing with black laboratory cap, 4 retention caps, 1x of each extra-soft, 1 soft, 1 standard, 1 strong), 1 distance plate.

5011008072



EQUATOR retention caps

(PU 4 items per colour)

violett „STRONG“

5011008026

white „STANDARD“

5011008027

pink „SOFT“

5011008028

yellow „EXTRA-SOFT“

5011008029

4 PROCESSING CAP LABORATORY

5011008031

2 STAINLESS STEEL HOUSING

5011008025

2 IMPRESSION COPING

5011008030

2 LABORTORY ANALOG

5011008032

SPHERO*-Abutment Kit

1 metal casing, 2 plastic caps pink-soft, 3 alignment rings, 1 distance plate, 1 SPHERO implant abutment

SPHERO BLOCK S normo H05	5011008033
SPHERO BLOCK S normo H1	5011008001
SPHERO BLOCK S normo H2	5011008002
SPHERO BLOCK S normo H3	5011008003
SPHERO BLOCK S normo H4	5011008034
SPHERO BLOCK S normo H5	5011008035
SPHERO BLOCK S normo H6	5011008039
SPHERO BLOCK S normo H7	5011008045
SPHERO BLOCK L normo H1	5011008004
SPHERO BLOCK L normo H2	5011008005
SPHERO BLOCK L normo H3	5011008006

SPHERO (FLEX und BLOCK) RETENTIVE CAP

(PU 6 items per colour)

silver „EXTRA-SOFT“	5011008062
gold „EXTRA-RESILIENT“	5011008063
green „VERY ELASTIC RETENTION“	5011008064
yellow „EXTRA SOFT“	5011008065
pink „SOFT“	5011008066
clear „STANDARD“	5011008067

SPHERO-FLEX Abutment Kit

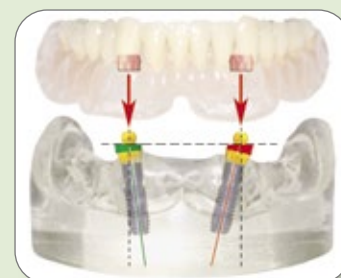
1 metal casing, 2 plastic caps pink-soft, 3 alignment rings, 1 distance plate, 1 SPHERO implant abutment

STANDARD

SPHERO FLEX S H1	5011008007
SPHERO FLEX S H2	5011008008
SPHERO FLEX S H3	5011008009

LARGE

SPHERO FLEX L H1	5011008010
SPHERO FLEX L H2	5011008011
SPHERO FLEX L H3	5011008012

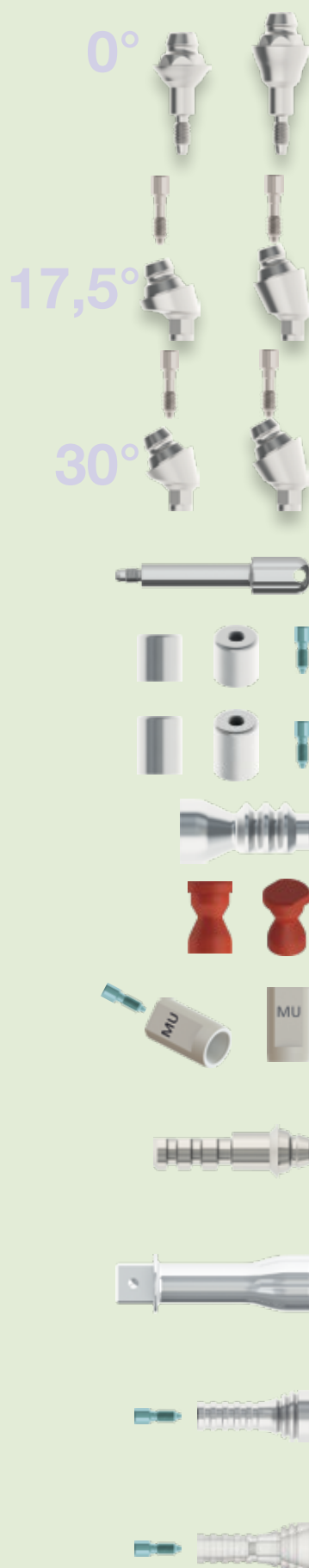


Instrumens Hybrid Dentures

equator inserter	5011008060
TOOL x INSERTING CAPS STANDARD /MI	5011008041
ball abutment inserter	5011008061

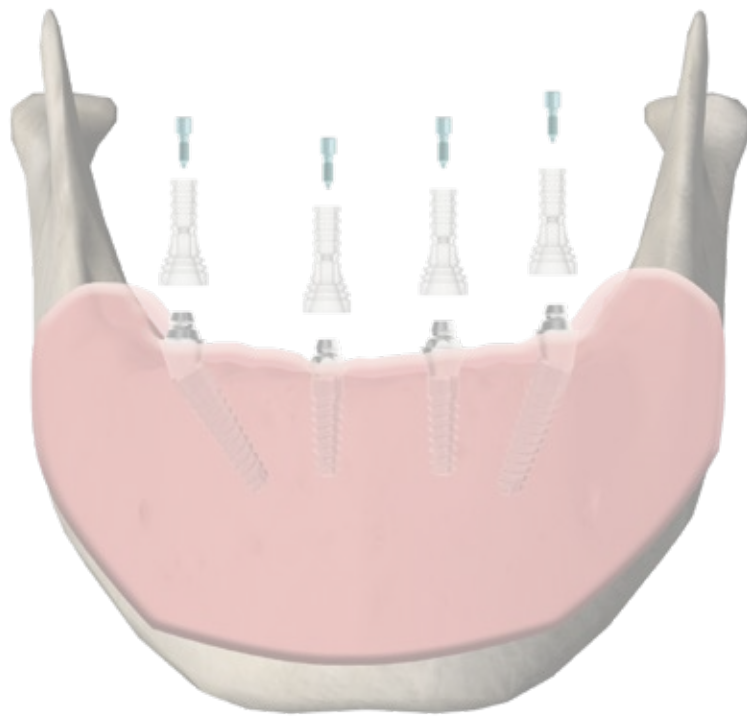


Prosthetics Classic






















MUA-MultiUnit abutment

MU abutment S 0° H1	5011110420
MU abutment S 0° H2	5011110421
MU abutment S 17.5° H1 incl. prosthetic screw normal	5011110423
MU abutment S 17.5° H2 incl. prosthetic screw normal	5011110424
MU abutment S 30° H1 incl. prosthetic screw normal	5011110426
MU abutment S 30° H2 incl. prosthetic screw normal	5011110427
MU abutment inserter	5012302022
MU healing cap H1 incl. MU prosthetic screw	5011106100
MU healing cap H2 incl. MU prosthetic screw	5011106101
MU impression post open tray	5011110013
MU impression post closed tray	5011110014
MU scan connector PEEK incl. MU prosthetic screw	5011610000
MU lab analog	5011110004
MU 0° inserter ratchet	5012302020
MU prosthetic cap TI incl. MU prosthetic screw	5011110012
MU prosthetic cap plastic incl. MU prosthetic screw	5011210020



Tightening torques

	Screw	Instrument	Tightening torque*
Classic 	 Cover screw		Hand-screwed
	 Impression screw long	 Screwdriver hex hand long	
	 Lab screw		
	 MU prosthetic screw	 Screwdriver hex hand short	
	 Prosthetic screw normal		
	 Prosthetic screw normal	 Screwdriver hex short	25 Ncm
	 Prosthetic screw ZiO	 Screwdriver hex long	
	 MU prosthetic screw	 Ratchet	
		 EQUATOR inserter	
		 Ball attachment inserter	
	 MU prosthetic screw		

* The listed tightening torques contain only recommended values. Always retighten prosthetic screws after 5 minutes.

Safety, Liability and Warranty

Safety

The RatioPlant®-implant system may be used only under the guidance and recommendation of the HumanTech Germany GmbH. The use of components which are not corresponding original components to the system will impede the functionality and exclude our liability. Guidance on the use of products made verbal and in demonstration events. It corresponds to the current state of knowledge at the time of distributing our products. This does not absolve the user from his obligation to the individual product in each case before the proposed use on its suitability for the intended purpose to verify. The processing and application of the products is up to the responsibility of each user. The liability for damage resulting from the use and application of the product is excluded.

As part of our general business conditions we confirm the product quality of our products with CE certification, according to the current state of science and technology.

Dispensing

The products are delivered only to dentists, doctors, surgeons, dental technicians, dental clinics and dental laboratories.

Replacement

The withdrawal of the products can only be done in the course of an exchange. Condition for redemption of goods:

1. Two years before the end of sterility
2. Undamaged, optically modified and original packed.ack.

Signs and Symbols according to DIN EN 980:2008-08



Manufacturer



Manufacturing date



Date of expiry



Reference number



Lot number



Sterilization using irradiation



Do not reuse



Do not use with damaged packing



Store in a dry place



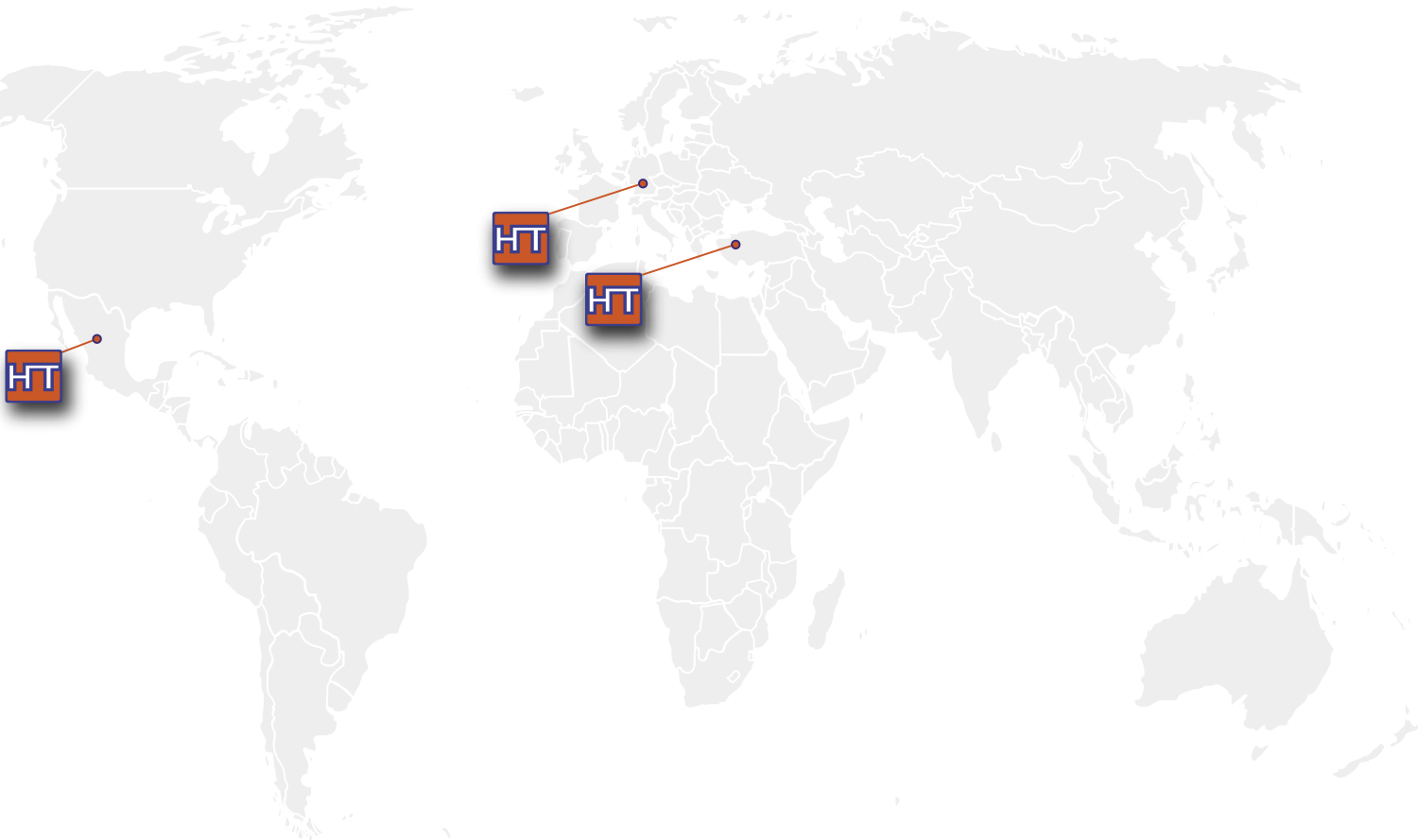
Non-sterile



Attention, see instruction for use



Attention



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