



PRO GRIP

Internal hex
Restoration parts

**G PRO
GRIP**

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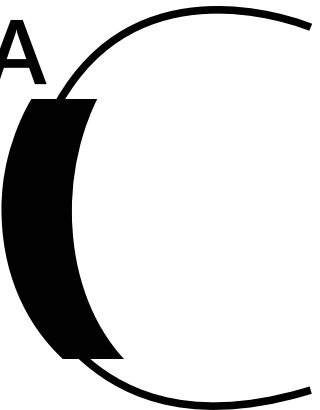
87

Biofix
Advantages

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		 S-Type	 C-Type	Dental Implant
 Wise Lock	 Multi-Unit Restoration	 Ball Attachment	 3D Scanning TiBase	Components for Overdenture Restoration and Screw retained
		 Titanium Abutments	 Temporary Abutments	Components for Cement Restoration
		 Casting Abutments	 Analog	Components for Lab Use
 Transfers	 Prosthetic Screws	 Healing Cap		Complementary Items

**BIOFIX
DENTAL**

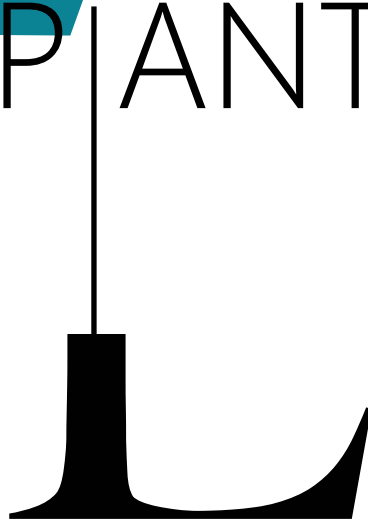
BA  **KGROUND**

BIOFIX's background is rooted in innovation and relies on great experience in the Medical Device world.

BIOFIX takes pride in a rich tradition of innovation as it provides high-quality products with simplified procedures at value-added prices.

BIOFIX DENTAL started to operate in the field of dental implant's industry in 2006 with the launch of its first prosthetic system. thanks to its sophisticated manufacturing processes, it continues to develop and thrive. The company has a state-of-the-art manufacturing site that is both technologically advanced and cost efficient. This facility, houses CNC machines that are only configured to produce families of parts (rather than individual parts), they meet demanding tolerances while operating in a lights-out manufacturing environment – thus achieving extraordinary efficiency and quality.

DENTAL
IMPLANTS



OUR IMPLANTS:

We have 2 different platform connections:



S-Type

- Internal Hex with 45deg.
- Platform with comparative advantage in usability.



C-Type

The Classic Thread Parallel shape.

The C-Type implant's cylindrical body is designed to maximize initial stability in soft bone. The shallow cutting edges on its threads are specifically designed for soft bone indications and minimize pressure on hard bone.

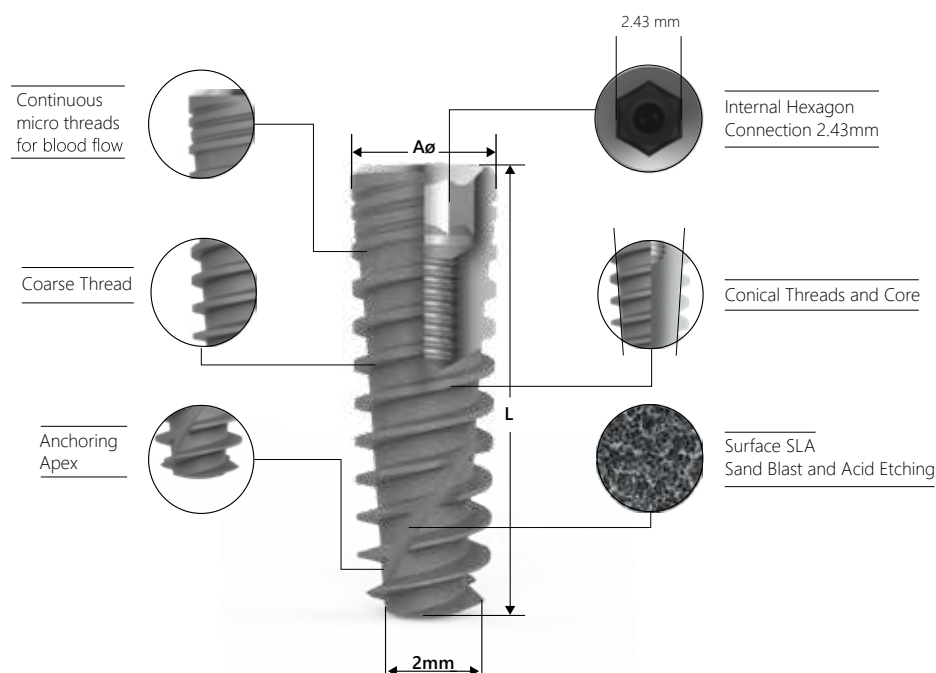
The dual multiply thread designed as a space allowing blood flow.

The dual multiply thread is attached to the micro thread in the upper area attached to the soft tissue for blood supply.

S-Type

The Spiral body is designed with self-drilling capability for high primary stability.

The BIOFIX self-tapping S-Type implants orientation can be adjusted during insertion with high initial stability even in soft bone, which enables a smaller osteotomy, resulting in minimal bone loss and reduced trauma. The S-type implants are the optimal solution for immediate loading restoration.



Range of implants:

	A	L
S33008INX	3.30	8.0
S33010INX	3.30	10.0
S330115INX	3.30	11.5
S33013INX	3.30	13.0

	A	L
S37508INX	3.75	8.0
S37510INX	3.75	10.0
S375115INX	3.75	11.5
S37513INX	3.75	13.0
S37516INX	3.75	16.0
S37518INX	3.75	18.0

	A	L
S42008INX	4.20	8.0
S42010INX	4.20	10.0
S420115INX	4.20	11.5
S42013INX	4.20	13.0
S42016INX	4.20	16.0
S42018INX	4.20	18.0

	A	L
S50008INX	5.0	8.0
S50010INX	5.0	10.0
S500115INX	5.0	11.5
S50013INX	5.0	13.0
S50016INX	5.0	16.0
S50018INX	5.0	18.0

PRO-Grip

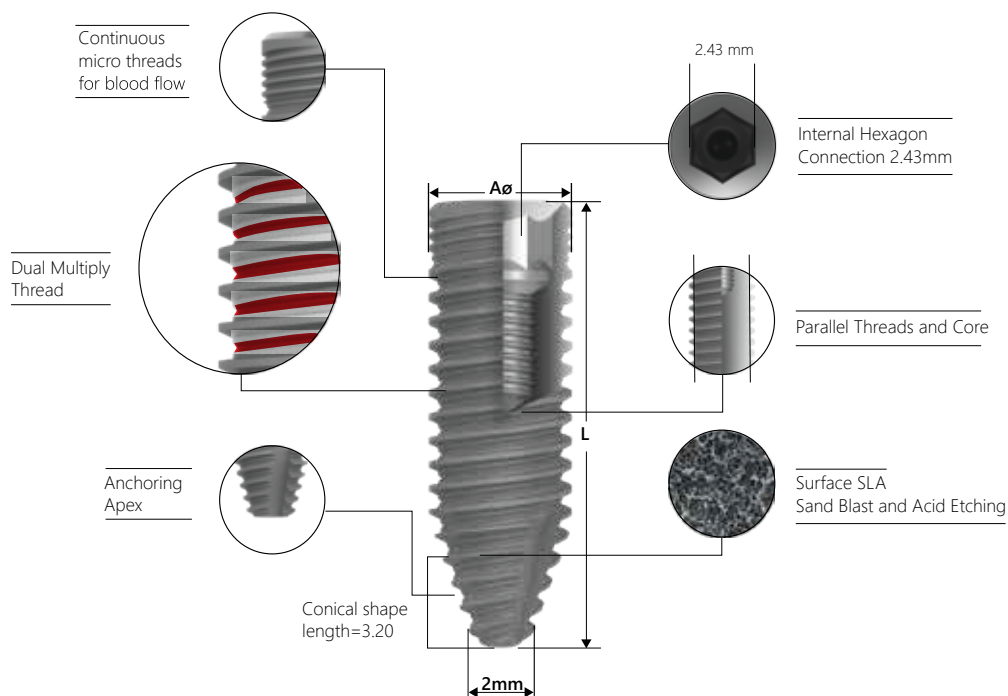
C-Type

The Classic Thread Parallel shape.

The C-Type implant's cylindrical body is designed to maximize initial stability in soft bone. The shallow cutting edges on its threads are specifically designed for soft bone indications and minimize pressure on hard bone.

The dual multiply thread designed as a space allowing blood flow.

The dual multiply thread is attached to the micro thread in the upper area attached to the soft tissue for blood supply.



Range of implants:

	A	L
C33008INX	3.30	8.0
C33010INX	3.30	10.0
C330115INX	3.30	11.5
C33013INX	3.30	13.0
C33016INX	3.30	16.0

	A	L
C37508INX	3.75	8.0
C37510INX	3.75	10.0
C375115INX	3.75	11.5
C37513INX	3.75	13.0
C37516INX	3.75	16.0

	A	L
C42008INX	4.20	8.0
C42010INX	4.20	10.0
C420115INX	4.20	11.5
C42013INX	4.20	13.0
C42016INX	4.20	16.0

	A	L
C50008INX	5.0	8.0
C50010INX	5.0	10.0
C500115INX	5.0	11.5
C50013INX	5.0	13.0
C50016INX	5.0	16.0

PTERYGOID

implants have been uniquely designed to match the anatomy of the bone structure.

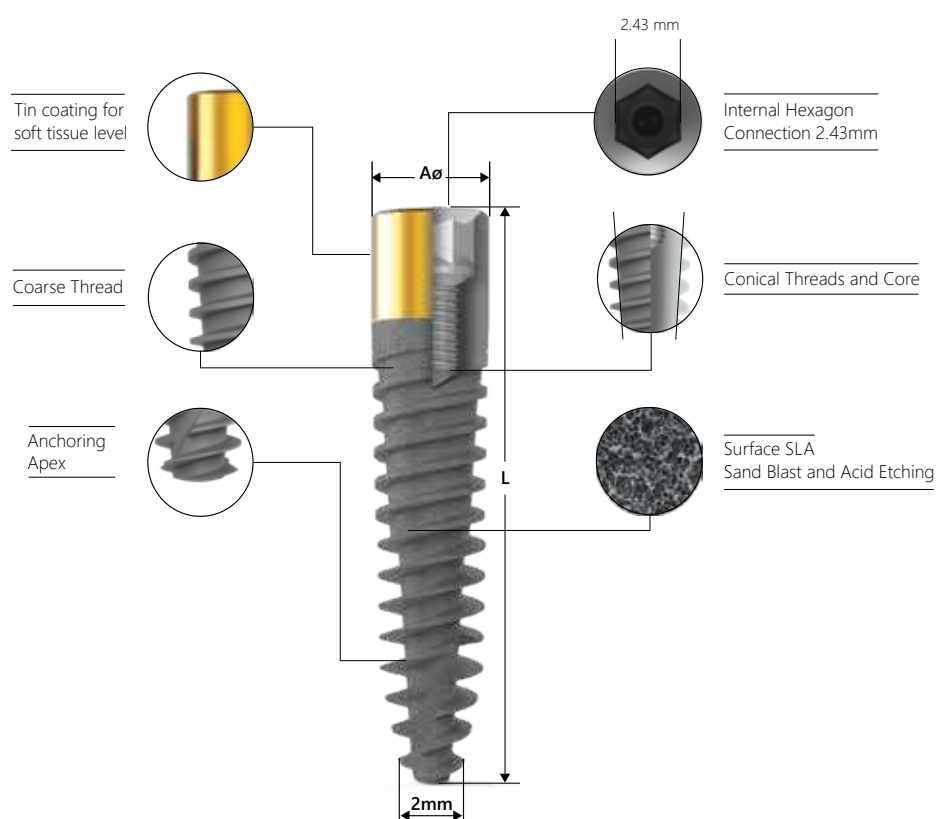
The smooth "Neck" with the Tin coating surface at the top helps in eliminating the adherence of Perio-Pathogens, thus reducing the chances of an inflammatory process to develop around the neck area.

The SLA Nano structure treated surface increases the osseointegration.

Material: Titanium grade 5 (Ti6Al4V ELI).

Surface treatment: SLA with Nano structure.

Tin Coating (Titanium nitride).



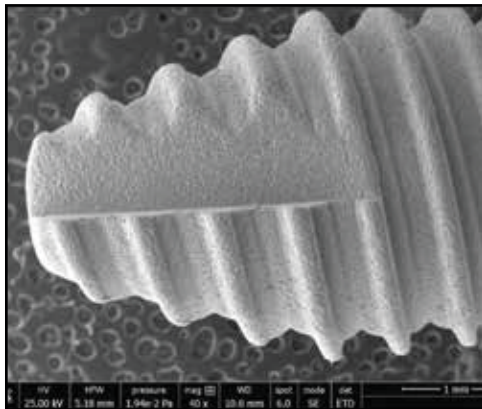
Range of implants:

	A	L
S42418INX-TT	4.20	18.0
S42420INX-TT	4.20	20.0
S42422INX-TT	4.20	22.0
S42425INX-TT	4.20	25.0

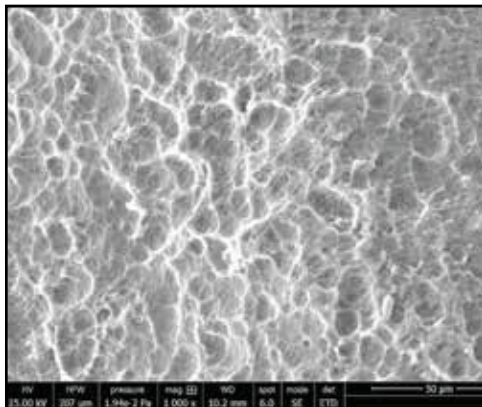
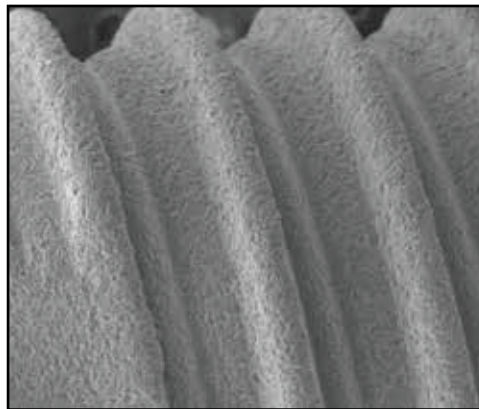
SLA-*type* of surface formation

Surface treatment of dental implants by Sandblasting with Large grid following by Acid etching (SLA), pioneered by Straumann Holding AG in early 90th, is until now the most widespread method in the world for formation of surface treatment of dental implants.

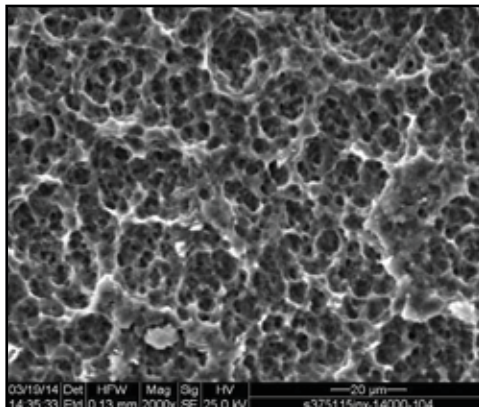
General view of the implant



The surface of the implant at low magnification in back scattering electrons



The implant surface at medium magnification X1000 in secondary electrons



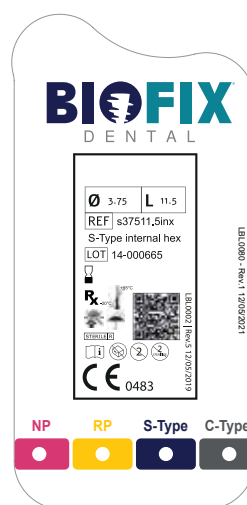
The implant's surface at high magnification X2000 in secondary electrons

IMPLANT PACKAGING

Single Implant
Box



Blister for
Implant



Our Implants Variety



S-Type



C-Type

S-TYPE

Spiral body design with self-drilling capability for high primary stability

S-TYPE CONICAL IMPLANT

Dia. 3.30 mm ●

			
S33008INX Dia. = 3.30 mm L = 8.0 mm	S33010INX Dia. = 3.30 mm L = 10.0 mm	S330115INX Dia. = 3.30 mm L = 11.5 mm	S33013INX Dia. = 3.30 mm L = 13.0 mm

S-TYPE CONICAL IMPLANT

Dia. 3.75 mm ●

					
S37508INX Dia. = 3.75 mm L = 8.0 mm	S37510INX Dia. = 3.75 mm L = 10.0 mm	S375115INX Dia. = 3.75 mm L = 11.5 mm	S37513INX Dia. = 3.75 mm L = 13.0 mm	S37516INX Dia. = 3.75 mm L = 16.0 mm	S37518INX Dia. = 3.75 mm L = 18.0 mm

S-TYPE CONICAL IMPLANT

Dia. 4.20 mm ●

					
S42008INX Dia. = 4.2 mm L = 8.0 mm	S42010INX Dia. = 4.2 mm L = 10.0 mm	S420115INX Dia. = 4.2 mm L = 11.5 mm	S42013INX Dia. = 4.2 mm L = 13.0 mm	S42016INX Dia. = 4.2 mm L = 16.0 mm	S42018INX Dia. = 4.2 mm L = 18.0 mm

S-TYPE CONICAL IMPLANT

Dia. 5.0 mm ●

					
S50008INX Dia. = 5.0 mm L = 8.0 mm	S50010INX Dia. = 5.0 mm L = 10.0 mm	S500115INX Dia. = 5.0 mm L = 11.5 mm	S50013INX Dia. = 5.0 mm L = 13.0 mm	S50016INX Dia. = 5.0 mm L = 16.0 mm	S50018INX Dia. = 5.0 mm L = 18.0 mm

S-TYPE CONICAL IMPLANT

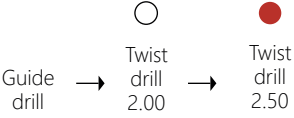
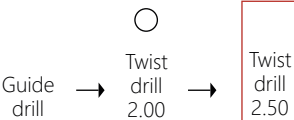
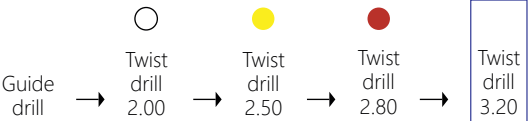
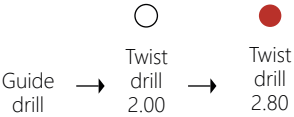
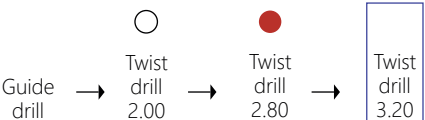
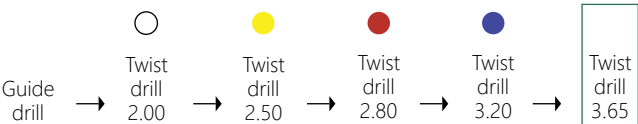
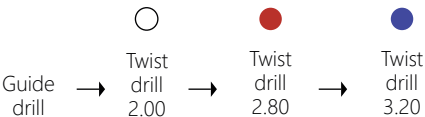
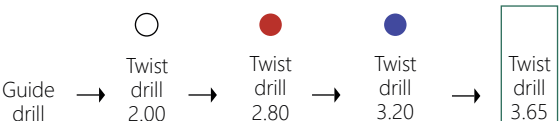
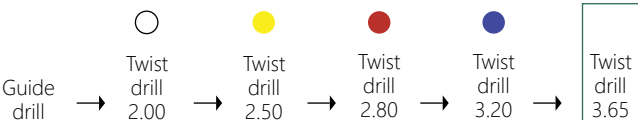
Dia. 6.0 mm ●

				
S60008INX Dia. = 6.0 mm L = 8.0 mm	S60010INX Dia. = 6.0 mm L = 10.0 mm	S600115INX Dia. = 6.0 mm L = 11.5 mm	S60013INX Dia. = 6.0 mm L = 13.0 mm	S60016INX Dia. = 6.0 mm L = 16.0 mm

PTERYGOID

			
S42418INX-TT Dia. = 4.2 mm L = 18.0 mm	S42420INX-TT Dia. = 4.2 mm L = 20.0 mm	S42422INX-TT Dia. = 4.2 mm L = 22.0 mm	S42425INX-TT Dia. = 4.2 mm L = 25.0 mm

Drilling Sequence - S-Type

	3.30 mm Drilling Protocol Soft Bone	
S33008INX S33010INX S330115INX S33013INX	Drilling Protocol Standard Bone	
	Drilling Protocol Dense Bone	
	3.75 mm Drilling Protocol Soft Bone	
S37508INX S37510INX S375115INX S37513INX S37516INX S37518INX	Drilling Protocol Standard Bone	
	Drilling Protocol Dense Bone	
	4.20 mm Drilling Protocol Soft Bone	
S42008INX S42010INX S420115INX S42013INX S42016INX S42018INX	Drilling Protocol Standard Bone	
	Drilling Protocol Dense Bone	



S50008INX
S50010INX
S500115INX
S50013INX
S50016INX
S50018INX

S50018INX

Diagram 1: Guide drill → Twist drill 2.00 → Twist drill 2.80 → Twist drill 3.20 → Twist drill 3.65 → Twist drill 4.1

Diagram 2: Guide drill → Twist drill 2.00 → Twist drill 2.80 → Twist drill 3.20 → Twist drill 3.65 → Twist drill 4.10 → Twist drill 4.30

Diagram 3: Guide drill → Twist drill 2.00 → Twist drill 2.50 → Twist drill 2.80 → Twist drill 3.20 → Twist drill 3.65 → Twist drill 4.10 → Twist drill 4.30



S60008INX
S60010INX
S600115INX
S60013INX
S60016INX
S60018INX

S60018INX

Diagram 1: Guide drill → Twist drill 2.00 → Twist drill 2.80 → Twist drill 3.20 → Twist drill 3.65 → Twist drill 4.30

Diagram 2: Guide drill → Twist drill 2.00 → Twist drill 2.80 → Twist drill 3.20 → Twist drill 3.65 → Twist drill 4.30 → Twist drill 5.20

Diagram 3: Guide drill → Twist drill 2.00 → Twist drill 2.50 → Twist drill 2.80 → Twist drill 3.20 → Twist drill 3.65 → Twist drill 4.30 → Twist drill 5.20

- ▶ Drill only through the cortical bone, the drill should not be used to full depth.

The chart above illustrates the recommended drilling sequence for BIOFIX's implants. Clinical judgement with respect to each individual patient must supersede any recommendation made.



This micrograph shows a cross-section of a polymer matrix with a central vertical rod-like structure. The matrix is composed of a dense network of interconnected, light-colored, fibrous or cellular structures. The central rod is a solid, light-colored vertical element.

For **bone type** III IV

- 2.50 mm Depth
- **Small** Dia. Drill

C-TYPE

Classic thread Parallel Type

C-TYPE **NARROW** PARALLEL IMPLANT

Dia. 3.30 mm ●

				
C33008INX Dia. = 3.3 mm L = 8.0 mm	C33010INX Dia. = 3.3 mm L = 10.0 mm	C330115INX Dia. = 3.3 mm L = 11.5 mm	C33013INX Dia. = 3.3 mm L = 13.0 mm	C33016INX Dia. = 3.3 mm L = 16.0 mm

C-TYPE PARALLEL IMPLANT

Dia. 3.75 mm ●

				
C37508INX Dia. = 3.75 mm L = 8.0 mm	C37510INX Dia. = 3.75 mm L = 10.0 mm	C375115INX Dia. = 3.75 mm L = 11.5 mm	C37513INX Dia. = 3.75 mm L = 13.0 mm	C37516INX Dia. = 5.0 mm L = 16.0 mm

C-TYPE PARALLEL IMPLANT

Dia. 4.20 mm ●

				
C42008INX Dia. = 4.2 mm L = 8.0 mm	C42010INX Dia. = 4.2 mm L = 10.0 mm	C42115INX Dia. = 4.2 mm L = 11.5 mm	C42013INX Dia. = 4.2 mm L = 13.0 mm	C42016INX Dia. = 4.2 mm L = 16.0 mm

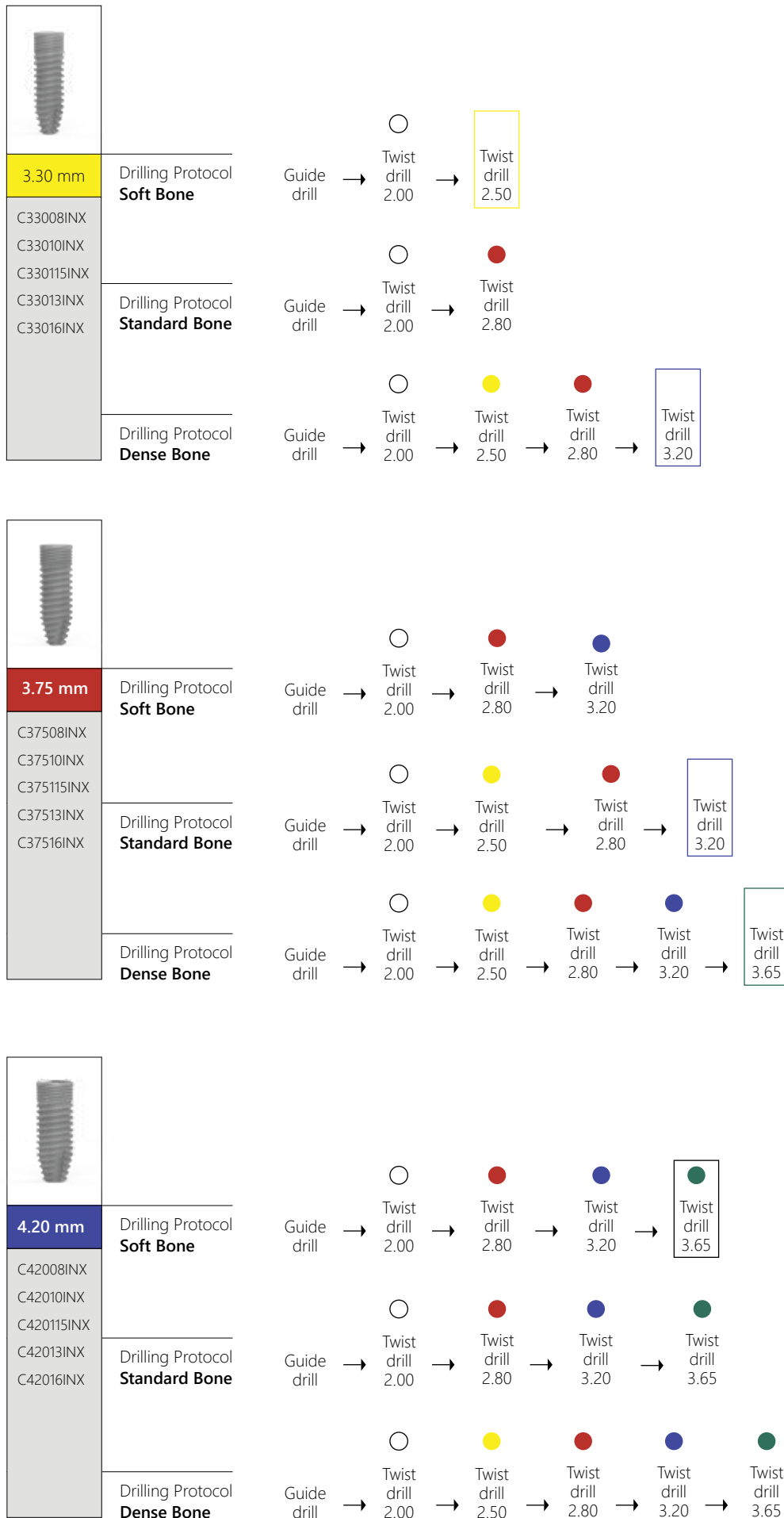
C-TYPE PARALLEL IMPLANT

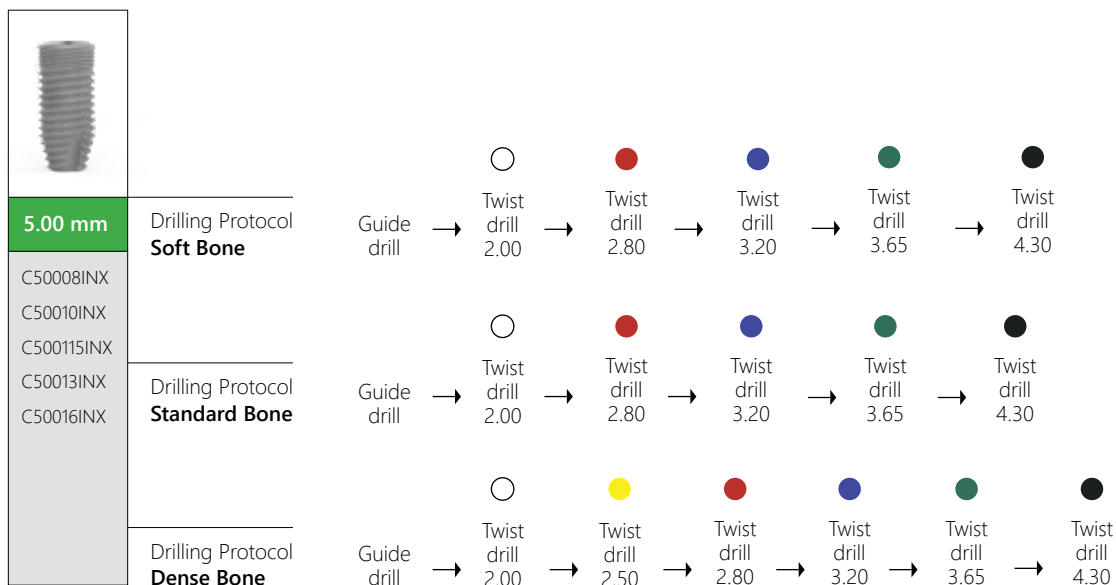
Dia. 5.0 mm ●

				
C50008INX Dia. = 5.0 mm L = 8.0 mm	C50010INX Dia. = 5.0 mm L = 10.0 mm	C500115INX Dia. = 5.0 mm L = 11.5 mm	C50013INX Dia. = 5.0 mm L = 13.0 mm	C50016INX Dia. = 5.0 mm L = 16.0 mm



Drilling Sequence - C-Type





- Drill to full depth of the Implant (*See illustrations 1 & 2)
- Drill to part depth of the Implant (*See illustrations 1 & 2)

▶ Drill only through the cortical bone, the drill should not be used to full depth.

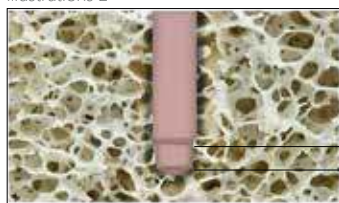
The chart above illustrates the recommended drilling sequence for BIOFIX's implants. Clinical judgement with respect to each individual patient must supersede any recommendation made.

illustrations 1



For **bone type I II**

illustrations 2



For **bone type III IV**

2.50 mm
Small Dia. Drill



MULTI-UNIT RE TORATION

Screw Retained
Restoration





TITANIUM NITRIDE (TiN) COATING

For generation of the TiN coating, the energy transfers of the arc into the target releases titanium atoms, ionises them and accelerates them through the applied voltage towards the implant. During the process, nitrogen is introduced into the vacuum chamber and the nitrogen atoms combine with the titanium atoms on the implant surface to form the desired titanium nitride coating.

Range of Application

Orthopaedic and dental implant components
Surgical instruments
Rotating instruments

Advantages of the Procedure

Allergy protective effect
4-times harder than conventional cobalt-chrome alloy
Low friction articulation
Long-term chemical stability
Extreme adhesive strength

Properties

TiN coatings only modify the surface properties.
The material properties and biomechanical functionality is not altered by the coating.
Colour: golden yellow
Coating thickness: 1–10 µm
Roughness Ra: ≤ 0.05 µm
Adhesive strength: HF 1–2
Coating hardness: ~2,300 HV

Wear resistance: extremely high wear resistance towards bone cement.
Abrasion: low friction; significant increase of scratch resistance of the surface.
Reduction of allergy potential by reduction of ion release to the detection limit.
Outstanding biocompatibility of TiN (was proved in several publications).
Review Article: <https://www.hindawi.com/journals/bmri/2015/485975/>

AESTHETIC MINOR UNIT

Straight Multi-Unit an abutment connection to an implant can be mounted at six different heights:

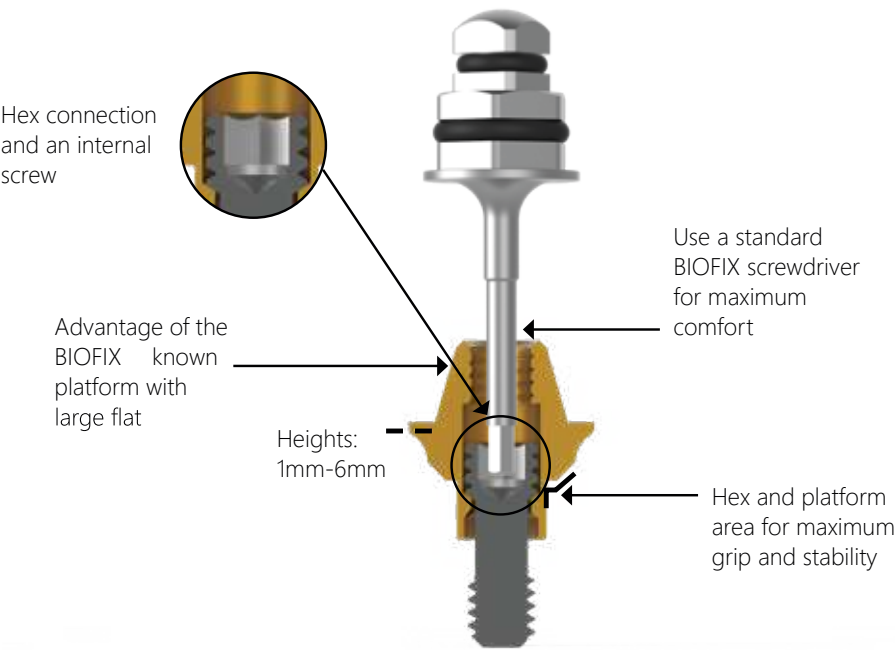
3.75 Platform

					
EMU-0011 H = 1.0 mm	EMU-0021 H = 2.0 mm	EMU-0031 H = 3.0 mm	EMU-0041 H = 4.0 mm	EMU-0051 H = 5.0 mm	EMU-0061 H = 6.0 mm

MULTI-UNIT STRAIGHT AESTHETIC ABUTMENTS
Abutments with smooth, non-locking surface for Multi-Unit Restoration

Premiun Straight Multi-Unit with hex

					
EMU-6011 H = 1.0 mm	EMU-6021 H = 2.0 mm	EMU-6031 H = 3.0 mm	EMU-6041 H = 4.0 mm	EMU-6051 H = 5.0 mm	EMU-6061 H = 6.0 mm



18°, 30° and 45° Angled Multi-Unit abutments are available in four different heights: H01, H02, H03, H04.



18° ANGULAR MULTI-UNIT SYSTEM CONCEPT

Aesthetic Multi-Unit Angular Overdenture Attachment

Mono-block

			
AMU-1801 H01 = 2.0 mm 18° Angular Multi-Unit	AMU-1811 H02 = 2.8 mm 18° Angular Multi-Unit	AMU-1821 H03 = 3.9 mm 18° Angular Multi-Unit	AMU-1831 H04 = 5.1 mm 18° Angular Multi-Unit

Mono-block

30°

			
AMU-3001 H01 = 3.0 mm 30° Angular Multi-Unit	AMU-3011 H02 = 3.9 mm 30° Angular Multi-Unit	AMU-3021 H03 = 4.9 mm 30° Angular Multi-Unit	AMU-3031 H04 = 5.9 mm 30° Angular Multi-Unit

Mono-block

45°

	
AMU-100005 H01 = 4.5 mm 45° Angular Multi-Unit	AMU-100064 H02 = 6 mm 45° Angular Multi-Unit

AESTHETIC WIDE UNIT

Straight Multi-Unit for implant

4.5 Platform

					
EWU-0011 H = 1.0 mm	EWU-0021 H = 2.0 mm	EWU-0031 H = 3.0 mm	EWU-0041 H = 4.0 mm	EWU-0051 H = 5.0 mm	EWU-0061 H = 6.0 mm

Multi-Unit - Accessories

							
HCC-4550 Healing cap for Multi-Unit	TMU-1000 Open tray short transfer	TMU-1200 Open tray transfer Screw included	TMU-8005 Closed tray transfer with plastic cap	WQP-0011 Plastic for closed-tray transfer	CMU-100006 Titanium sleeve base for Cad/Cam	TSU-100055 3D scan body Lab device	TSU-100043 Titanium 3D scan body Intraoral device

							
CMU-100007 Long slim titanium sleeve Ti Base L = 8.0 mm	TSU-1250 Titanium sleeve screw included L = 12.0 mm	TMU-0532 Titanium short sleeve screw included	TSM-100013 Titanium sleeve for welding	PSU-0032 Plastic sleeve screw included	PSU-0050 Parallel connection	AMU-1201 Analog for Multi-Unit	DASM-100040 Digital analog for Multi-Unit

	
SMU-4023 Screw for Multi-Unit sleeve	SMU-5022 Long head screw for Multi-Unit sleeve

General Compatible Multi-Unit

AESTHETIC NARROW MULTI UNIT

Straight narrow Multi-Unit

			
NMU-130018 H = 1.0 mm	NMU-130019 H = 2.0 mm	NMU-130020 H = 3.0 mm	NMU-130021 H = 4.0 mm

Angular narrow Multi-Unit

18°			30°		
	NAMU-130022 H = 2.0 mm	NAMU-130023 H = 3.5 mm		NAMU-130024 H = 2.7 mm	NAMU-130025 H = 3.7 mm

AESTHETIC MULTI UNIT

Straight Multi-Unit

				
EMU-130007 H01 = 1.0 mm	EMU-130008 H02 = 2.0 mm	EMU-130009 H03 = 3.0 mm	EMU-130010 H04 = 4.0 mm	EMU-130011 H05 = 5.0 mm

Angular Multi-Unit

18°				
	AMU-130004 H01 = 2.0 mm	AMU-130005 H02 = 3.0 mm	AMU-130006 H03 = 4.0 mm	AMU-130028 H04 = 5.0 mm

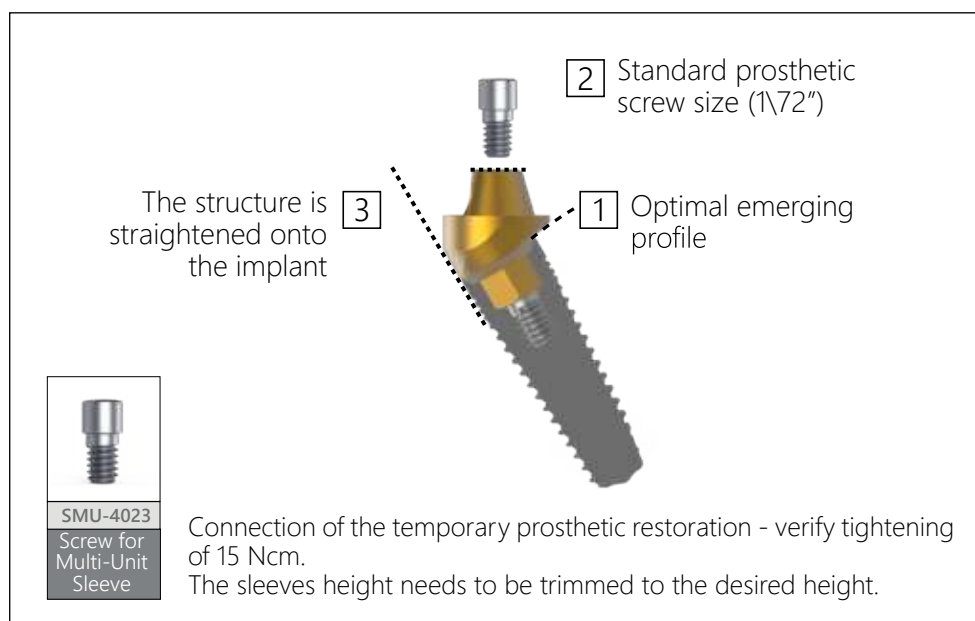
30°				45°		
	AMU-130001 H01 = 3.0 mm	AMU-130002 H02 = 4.0 mm	AMU-130003 H03 = 5.0 mm		AMU-130014 H01 = 4.0 mm	AMU-130027 H02 = 6.0 mm

Accessories for General Compatible Multi-Unit

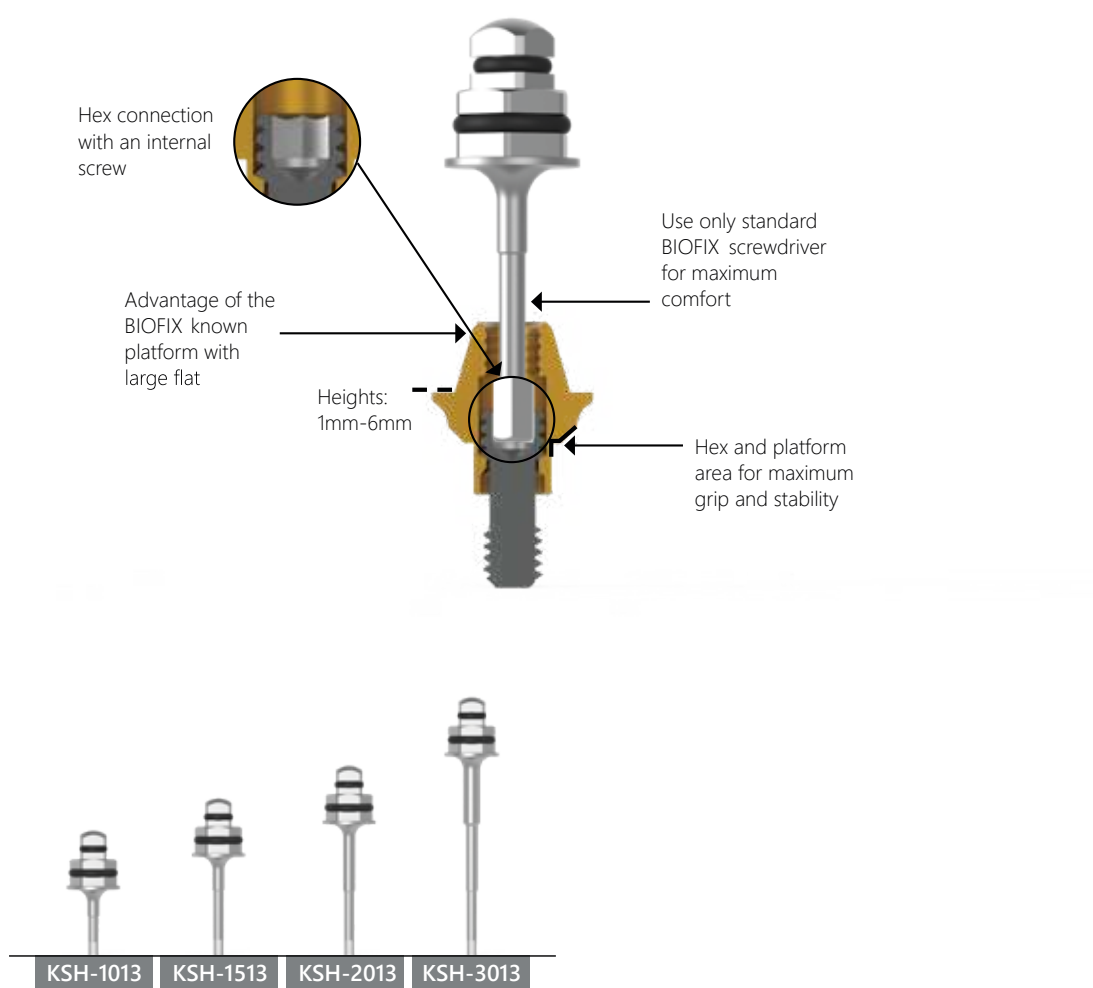
							
MP-300076 Titanium sleeve	SM-300140 Plastic sleeve for casting	HCC-300024 Healing cap	TM-300068 Open tray transfer	TMU-130012 closed tray transfer	WQP-130013 Closed tray plastic transfer	CMU-300134 Ti Base	AM-300070 Analog

			
DASM-300146 Analog for digital model	NSU-3821 Screw for sleeve	TEM-130016 Straight Multi-Unit Key	TSU-300150 Scan body for general Multi-Unit

■ **System Advantages:**

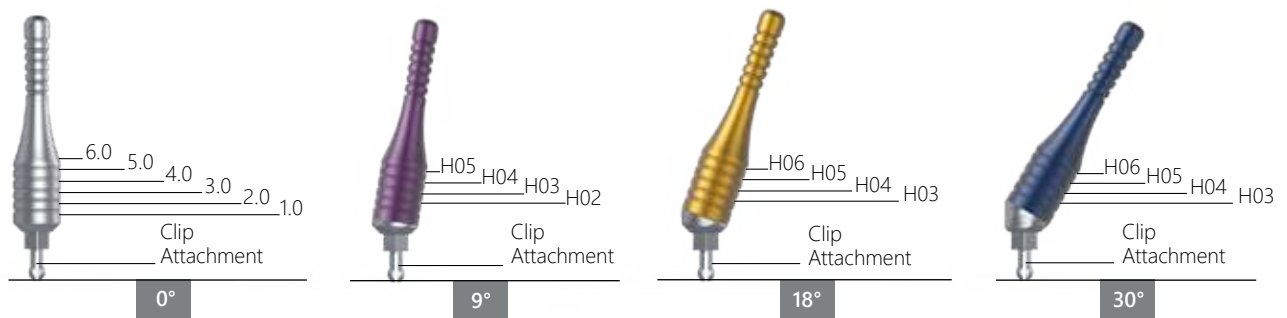


Note: The screw geometry was carefully designed and optimized to allow safe tightening and long service. Special attention must be paid while tightening the screw. Make sure to use an original BIOFIX hex key with edges that do not show wear. It is recommended to purchase additional screws.

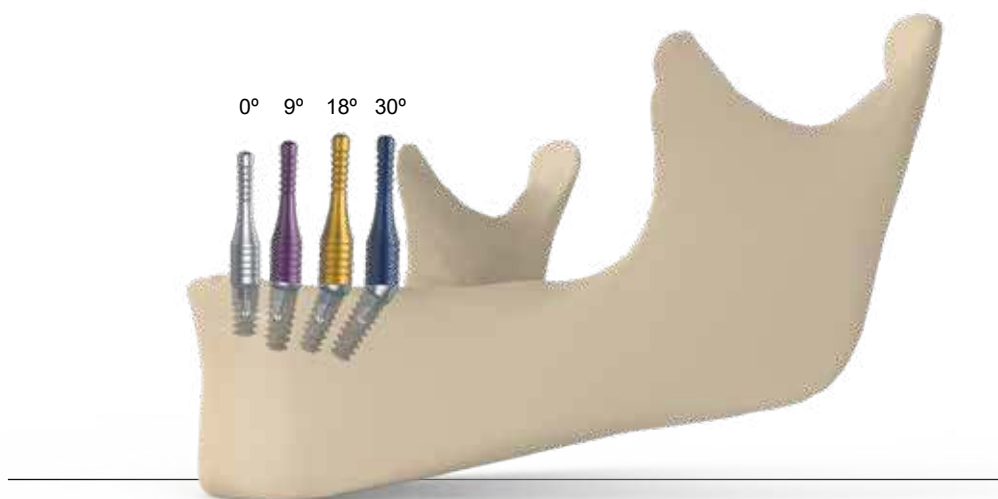


MULTI-UNIT Aligning clip gauge

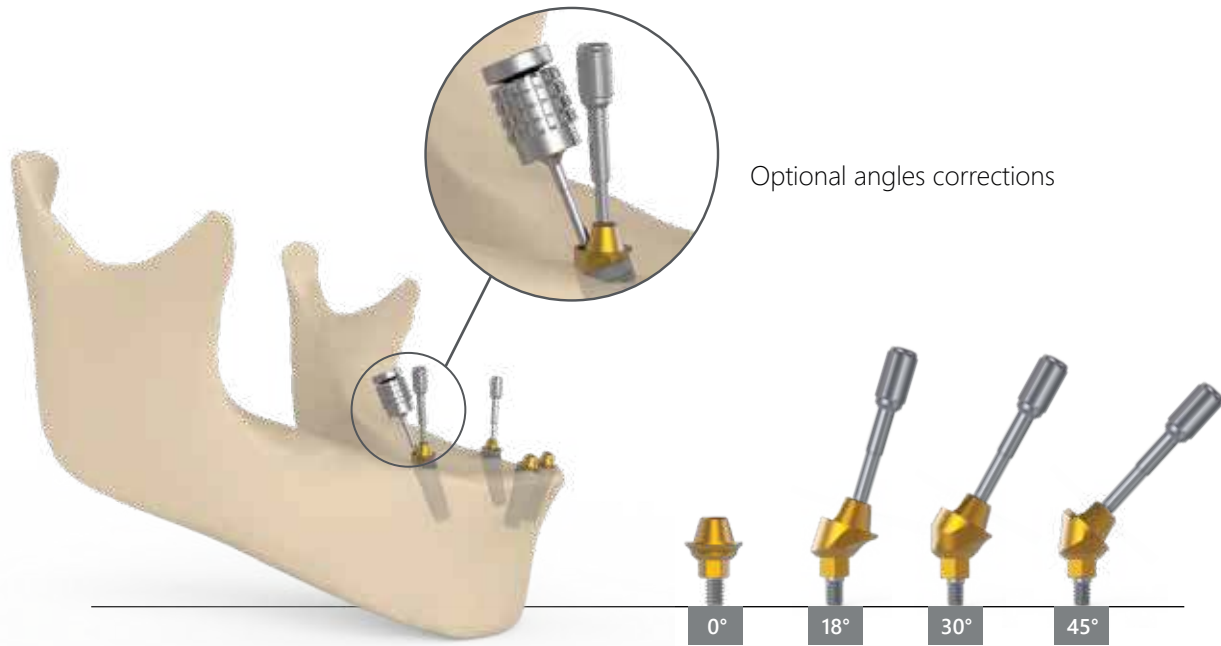
Angle and height clip gauge - use the Gauge Set for angle and height selection.



Using the angle gauges gives you an option to pre-plan the use of the abutment in order to achieve maximum parallelism.

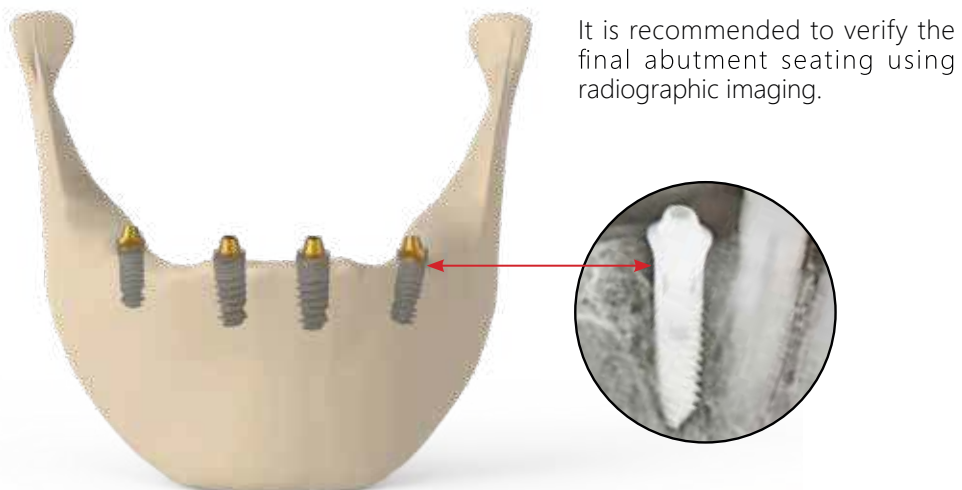


Multi-Unit connection - place the Multi-Unit abutment appropriate angle and high.
Use the holder to place the base connection into the implant.



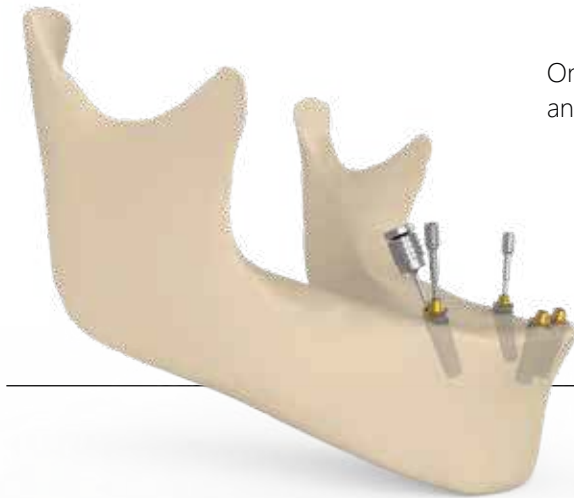
Note: Tighting force up to 20 N/cm.
The Multi-Unit with hex must be used
with original BIOFIX screw driver:
KSH-1013, KSH-1513, KSH-2013, KSH-3013,
MKS-0813, MKM-1513, MKL-2513.

Verify the Multi-Unit abutments attached to the implant with perfect contact to the implant platform.





Closed tray impression coping - with Plastic cap.
The proven way to achieve time reduction with excellent precision the coping.



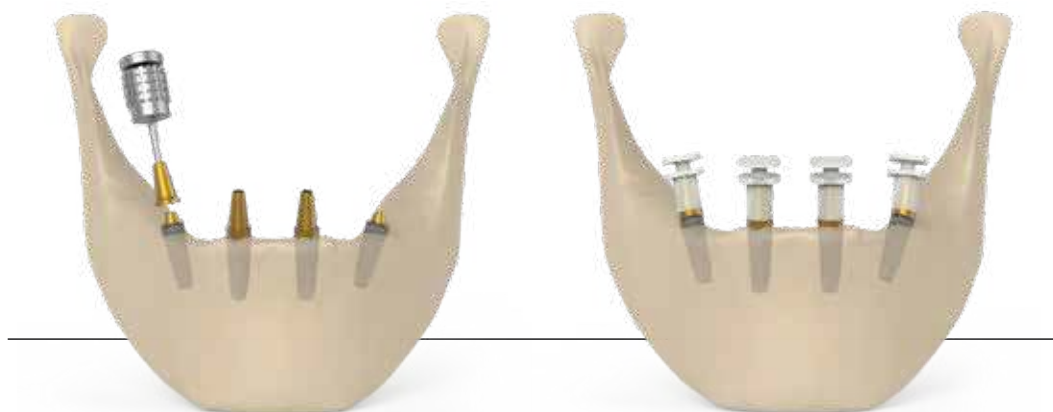
Once you place the Multi-Unit in a proper angulation.



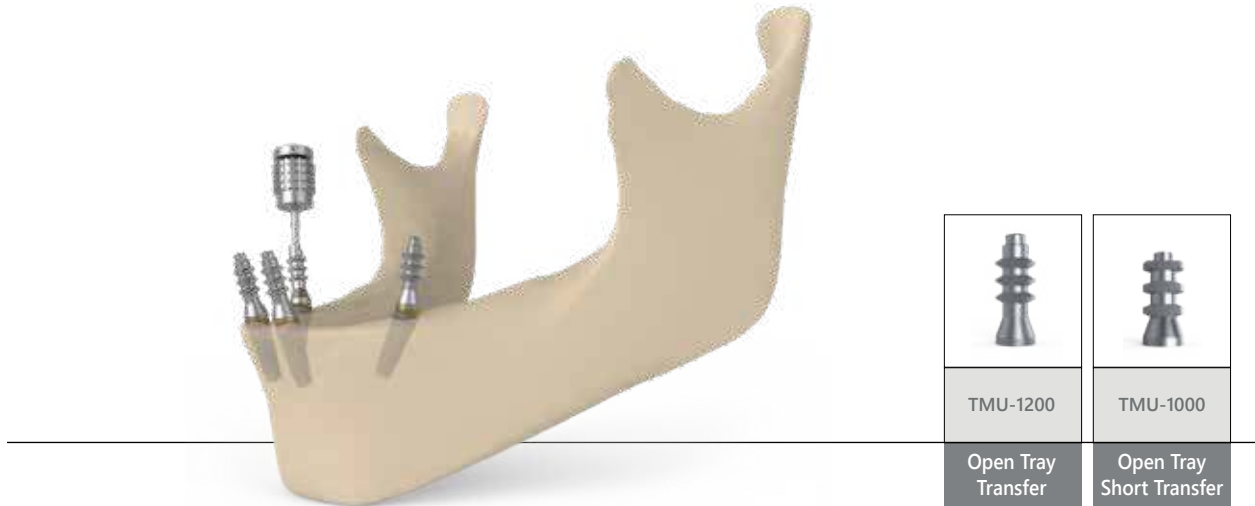
WQP-0011
Assembly

The plastic cap is produced in a lathe machine in order to maintain the plastic deformation character of the material. This character enables to have deformation of the cap without losing precision.

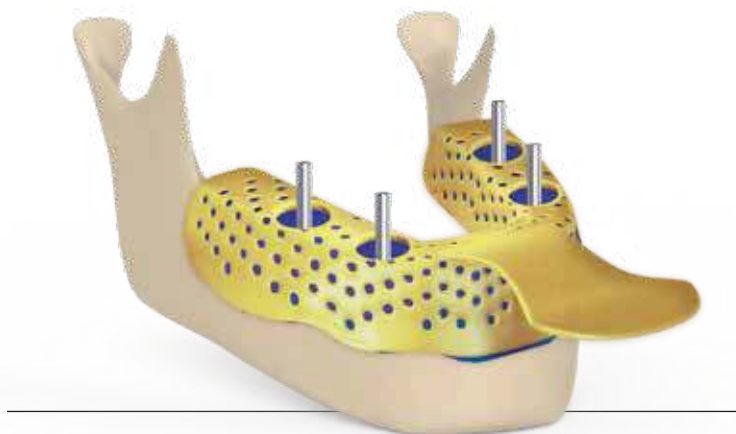
1. Place the transfer without any tightening force.
2. Snap-on the plastic cap to secure positioning.
3. Use Closed-tray impression coping.



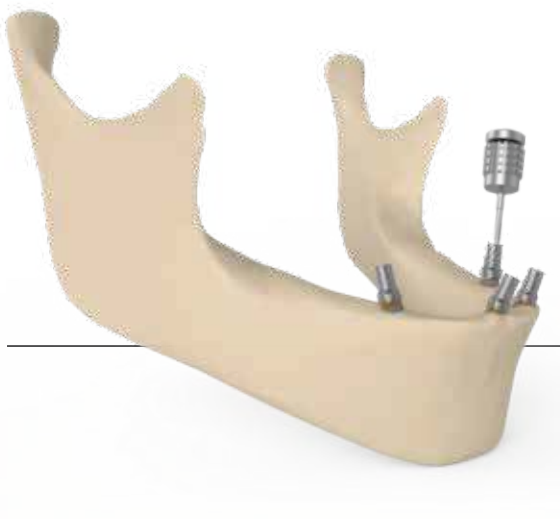
- Open tray impression coping - connect the transfer onto the abutment. Inject impression material and position the impression tray.



- Inject impression material and position the impression tray.
Send the impression tray to the laboratory.

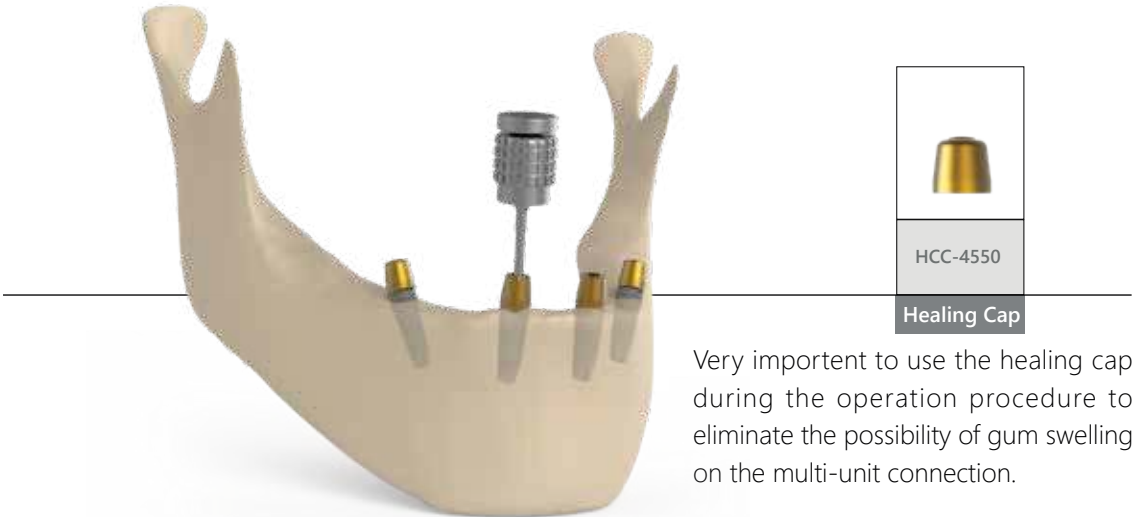


- implement the intraoral scanning procedure and send the file to the lab.

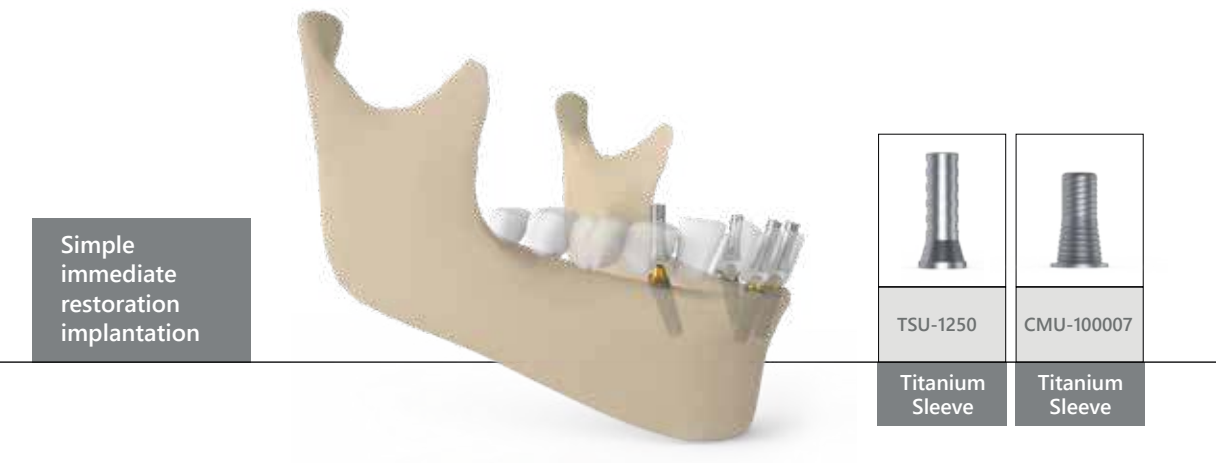
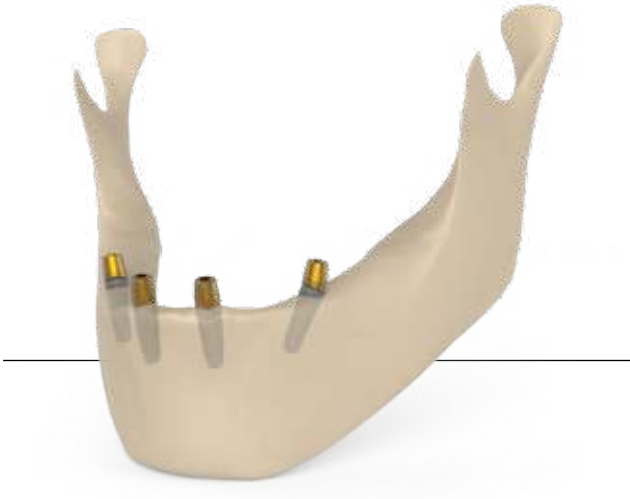


⚠ Caution: Never exceed recommended maximum **15 Ncm** tightening torque for the abutment screw. Overtightening of abutment may lead to a screw fracture.

In cases when a two-stage surgery is indicated:
Healing procedure - connect the temporary restoration healing cap.



■ **Provisional**
The original denture can be used on top of the healing caps while the temporary denture is being produced.



■ General options customized restoration

Temporary bridge PMMA
on titanium base adapter



Pre op bar overdenture



chrome cobalt bridge direct on Multi-Unit



Titanium bridge direct on Multi-Unit



Fiberglass bar on titanium
base adapter



Zirconium bridge on titanium
base adapter



3D DIGITAL SYSTEM



3D SCANNING TiBase



ZIRKONZAHN® / BIOFIX 3.75 Platform

			
SMS-6030 H=01 CadCam TiBase zrZ Non-rotational	SMS-6031 H=02 CadCam TiBase zrZ Non-rotational	SMS-6032 H=03 CadCam TiBase zrZ Non-rotational	SMS-6033 H=04 CadCam TiBase zrZ Non-rotational

3.75 Platform ZIRKONZAHN® / BIOFIX

			
SMS-0030 H=01 CadCam TiBase zrZ Rotational	SMS-100031-R H=02 CadCam TiBase zrZ Rotational	SMS-100033-R H=03 CadCam TiBase zrZ Rotational	SMS-100034-R H=04 CadCam TiBase zrZ Rotational

MIS® 4.5 Platform

	
SWS-100029 CadCam TiBase MIS® wide Non-rotational	SWS-100030-R CadCam TiBase MIS® Rotational

ZIRKONZAHN® 4.5 Platform

	
SWS-6030 CadCam TiBase zrZ wide Non-rotational	SWS-0030 CadCam TiBase zrZ wide Rotational

3.75 Platform

	
SMS-0040 CadCam TiBase Rotational	SMS-6040 CadCam TiBase Non-rotational

4.5 Platform

	
SWS-0040 CadCam TiBase wide Rotational	SWS-6040 CadCam TiBase wide Non-rotational

					
SMS-6050-R CadCam TiBase sro. Rotational	SMS-6050 CadCam TiBase sro. Non-rotational	SMS-6051 CadCam TiBase sro. Non-rotational	SMS-6052 CadCam TiBase sro. Non-rotational	SMS-6053 CadCam TiBase sro. Non-rotational	SMS-6054 CadCam TiBase sro. Non-rotational

MIS® Standard platform - Non-rotational

		
SMS-100001 H=0.5 mm CadCam TiBase Non-rotational	SMS-100069 H=1.5 mm CadCam TiBase Non-rotational	SMS-100068 H=3.0 mm CadCam TiBase Non-rotational

MIS® Standard platform - Rotational

		
SMS-100002 H=0.5 mm CadCam TiBase Rotational	SMS-100066 H=1.5 mm CadCam TiBase Rotational	SMS-100067 H=3.0 mm CadCam TiBase Rotational

MIS® Narrow platform

	
SNS-400013 CadCam TiBase NP Non-rotational	SNS-400008 CadCam TiBase NP Rotational

MIS® Narrow platform on ZIRKONZAHN®

	
SNS-400002 CadCam TiBase NP Rotational	SNS-400004 CadCam TiBase NP Non-rotational

AMANN GIRRBACH®

	
BMZ-6001 CadCam TiBase Non-rotational	BMZ-0001 CadCam TiBase Rotational

3.75 Platform

		
DAS-100036 Analog for digital model	DAS-100065 Analog for digital model	SDAS-100057 Analog for digital model

4.5 Platform


DAS-100038 Analog for digital model

	
SBT-100016 3D Scan body for TiBase	SBT-100056 3D Scan body for TiBase Long



BALL ATTACHMENT

Definition and advantages
of the system



INSTRUCTIONS FOR USE

Definition and advantages of the system

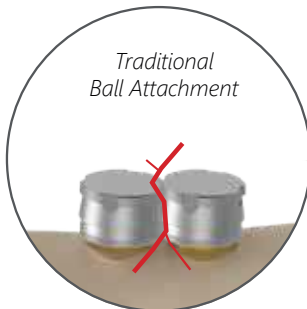
The Case

*Traditional
Ball Attachment*



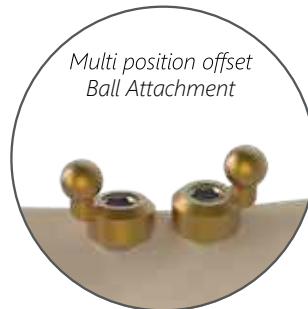
The Problem

*Traditional
Ball Attachment*



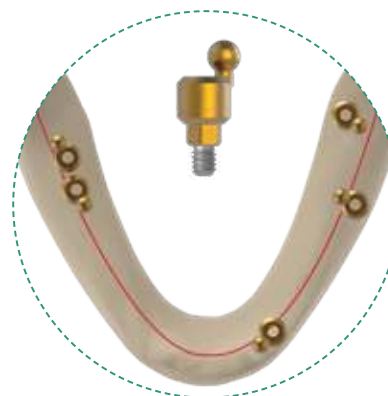
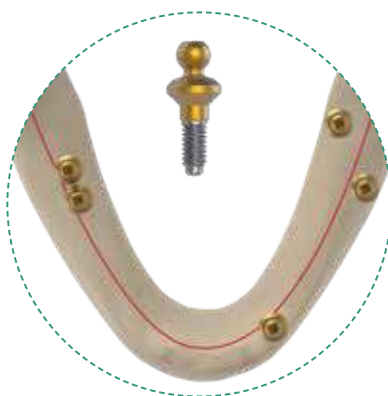
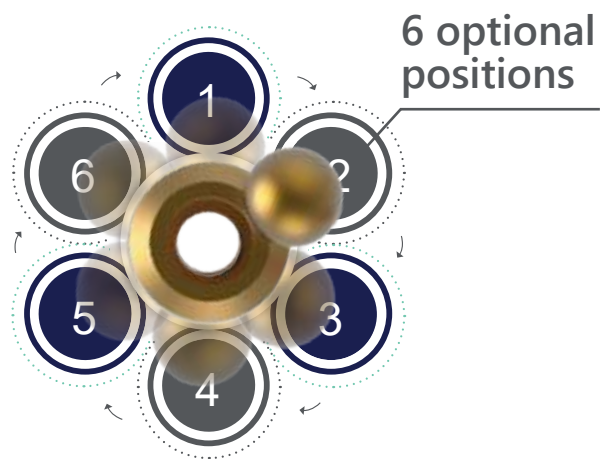
The Solution

*Multi position offset
Ball Attachment*



Case Solve

*Multi position offset
Ball Attachment*



BMS-4010

VS.



MBMS-4030

MULTI POSITION OFFSET BALL ATTACHMENT



Straight offset Ball Attachment

					
MBMS-4010 H = 1 mm	MBMS-4020 H = 2 mm	MBMS-4030 H = 3 mm	MBMS-4040 H = 4 mm	MBMS-4050 H = 5 mm	MBMS-4060 H = 6 mm

Straight offset Ball Attachment - Set

					
MBMT-0010-S H = 1 mm	MBMT-0020-S H = 2 mm	MBMT-0030-S H = 3 mm	MBMT-0040-S H = 4 mm	MBMT-0050-S H = 5 mm	MBMT-0060-S H = 6 mm

20° - Angular offset Ball Attachment

					
MBMA-2010 H = 1 mm	MBMA-2020 H = 2 mm	MBMA-2030 H = 3 mm	MBMA-2040 H = 4 mm	MBMA-2050 H = 5 mm	MBMA-2060 H = 6 mm

20° - Angular offset Ball Attachment - Set

					
MBMA-2010-S H = 1 mm	MBMA-2020-S H = 2 mm	MBMA-2030-S H = 3 mm	MBMA-2040-S H = 4 mm	MBMA-2050-S H = 5 mm	MBMA-2060-S H = 6 mm

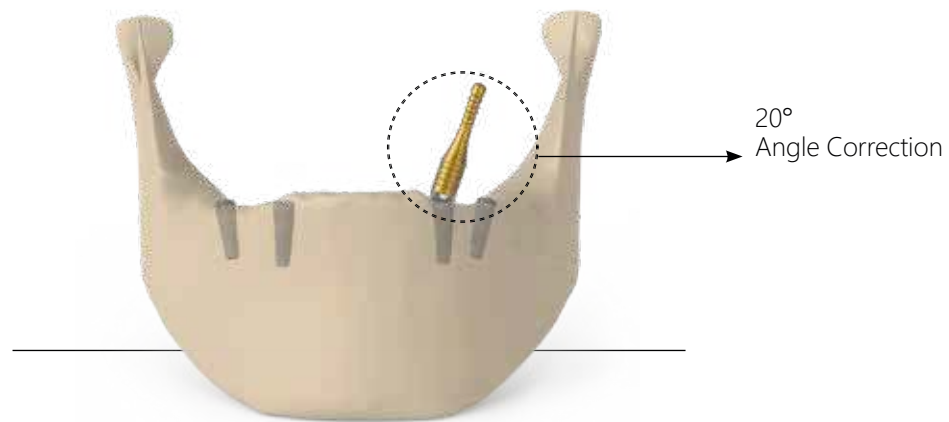
Included in SET


BHM-4730

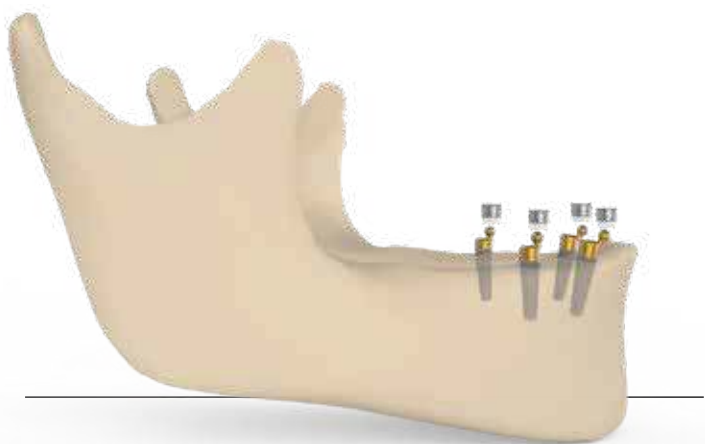
BIS-0025

SBA-100047

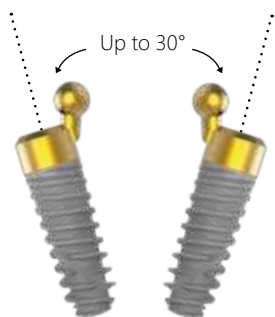
- ANGLE AND HEIGHT CLIP GAUGE (Use the Gauge Set for angle and height selection).
In case that the positioning of the implant is more then 18° do not use the system.



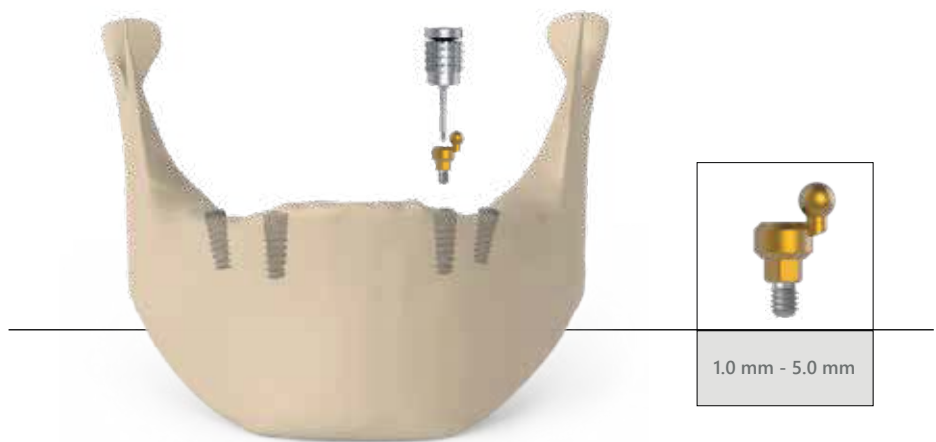
Wide range of heights: 1 mm up to 5 mm. The availability of these options allows a near-perfect match between the titanium abutment (base) and the denture.



When mounting the Ball Attachment multi position offset, it is critical to verify up to 15° parallelism between the base abutment.



■ For placement of the Ball Attachment multi position offset straight abutment use a standard 1.27 mm hex drive tool.





BALL ATTACHMENT MULTI POSITION OFFSET

Protecting Nylon Sealed Ring (CAT NO: SCH-8540).

should be mounted on the housing slot, along with the BIS-0025.



OVERDENTURE BALL ATTACHMENT

Connection to Implants



BALL MINOR STRAIGHT

3.75 Platform / Dia. 4.0 mm

					
BMS-4010 H = 1.0 mm Without Cap	BMS-4020 H = 2.0 mm Without Cap	BMS-4030 H = 3.0 mm Without Cap	BMS-4040 H = 4.0 mm Without Cap	BMS-4050 H = 5.0 mm Without Cap	BMS-4060 H = 6.0 mm Without Cap

BALL MINOR SET - NYLON

3.75 Platform / Dia. 4.0 mm

Full Set

					
BMT-0010-S With Stainless Steel Housing & Nylon insert	BMT-0020-S With Stainless Steel Housing & Nylon insert	BMT-0030-S With Stainless Steel Housing & Nylon insert	BMT-0040-S With Stainless Steel Housing & Nylon insert	BMT-0050-S With Stainless Steel Housing & Nylon insert	BMT-0060-S With Stainless Steel Housing & Nylon insert

BALL HOUSING MINOR \ BALL NYLON INSERT

		
BHM-5032 Ø = 5mm Stainless Steel Housing	BHM-4730 Ø = 4.7mm Slim Stainless Steel Housing	BIS-0025 Nylon Insert

BALL WIDE STRAIGHT

4.5 Platform

					
BWS-4010 H = 1.0 mm Without Cap	BWS-4020 H = 2.0 mm Without Cap	BWS-4030 H = 3.0 mm Without Cap	BWS-4040 H = 4.0 mm Without Cap	BWS-4050 H = 5.0 mm Without Cap	BWS-4060 H = 6.0 mm Without Cap

BALL WIDE SET - NYLON

4.5 Platform

Full Set

					
BWT-0010-S With Stainless Steel Housing & Nylon insert	BWT-0020-S With Stainless Steel Housing & Nylon insert	BWT-0030-S With Stainless Steel Housing & Nylon insert	BWT-0040-S With Stainless Steel Housing & Nylon insert	BWT-0050-S With Stainless Steel Housing & Nylon insert	BWT-0060-S With Stainless Steel Housing & Nylon insert

Open /
Closed
Tray

TRANSF

R



Closed Tray TRANSFER with Plastic Cap

1 External hex with conical lead

The hex is parallel to the implant hex, which enables better positioning achieving good aesthetic restoration.



2 TiN coating

TiN coatings only modify surface properties and have no effect on the substrate properties or biomechanical functionality.

Biocompatibility:

Biocompatibility of TiN has been demonstrated in numerous published studies. It is known to improve friction, and has a significantly higher degree of surface scratch resistance compared to other materials.

3 Titanium body

The Titanium body can be used as a titanium abutment for temporary or final restoration.

4 5 Different heights



5 Plastic Cap in two heights

The Plastic caps are machined in order to maintain the flexibility of the material and enable the release of the cap at up to 25° angle. It also maintains the accuracy.



6 Snap-on to secure positioning.



TRANSFERS, IMPRESSION COPING

Includes a Retaining Screw



TRANSFER MINOR CLOSED
Closed-tray Transfer Abutments

3.75 Platform

				
TMC-0910 Titanium Body H = 1.0 mm	TMC-0920 Titanium Body H = 2.0 mm	TMC-0930 Titanium Body H = 3.0 mm	TMC-0940 Titanium Body H = 4.0 mm	TMC-0950 Titanium Body H = 5.0 mm



TRANSFER MINOR CLOSED
Closed-tray CONCAVE Transfer

3.75 Platform

				
TMCC-0910 Titanium Body CONCAVE H = 1.0 mm	TMCC-0920 Titanium Body CONCAVE H = 2.0 mm	TMCC-0930 Titanium Body CONCAVE H = 3.0 mm	TMCC-0940 Titanium Body CONCAVE H = 4.0 mm	TMCC-0950 Titanium Body CONCAVE H = 5.0 mm

TRANSFER MINOR CLOSED
Closed-tray CONCAVE Transfer

3.75 Platform

	
TMC-100003 Long Transfer L = 6.0 mm Titanium Body	TMC-100004 Long Transfer L = 7.5 mm Titanium Body

TRANSFER CLOSED-TRAY CLIP

3.75 Platform 4.5 Platform

	
TCMC-1001 Stainless Steel Clip Transfer	TCWC-1001 Stainless Steel Clip Transfer

TRANSFER CLOSED-TRAY CLIP

3.75 Platform 4.5 Platform

	
TCMC-1501 Stainless Steel Clip Transfer	TCWC-1501 Stainless Steel Clip Transfer

TRANSFER MINOR STAINLESS STEEL
Open Tray Transfer

3.75 Platform

		
TMS-1301 Stainless Steel Body Long design	TSS-1001 Stainless Steel Body Slim design	TMS-1001 Stainless Steel Body Short design

TRANSFER WIDE STAINLESS STEEL
Open Tray Transfer

4.5 Platform


TWS-1301 Stainless Steel Body Long design

TRANSFER WIDE CLOSED
Closed-tray Transfer Abutments

4.5 Platform

				
TWC-0910 Titanium Body H = 1.0 mm	TWC-0920 Titanium Body H = 2.0 mm	TWC-0930 Titanium Body H = 3.0 mm	TWC-0940 Titanium Body H = 4.0 mm	TWC-0950 Titanium Body H = 5.0 mm

TRANSFER MATCHED PLASTIC
Closed-tray Transfer Plastic Cap

		
TMP-0008 Low Level Plastic Cap	TMP-0010 High Level Plastic Cap	CPC-0008 Burn Out Plastic Cap

Analogs are used for the fabrication of a master model. They are replicas of the implant. All analogs are made of high grade stainless steel.

ANALOG STAINLESS STEEL

	
AMS-1201 Stainless Steel Body 3.75 Platform	AWS-1201 Stainless Steel Body 4.5 Wide Platform

ANALOG FOR DIGITAL MODEL

3.75 Platform

		
DAS-100036 Analog for digital model	DAS-100065 Analog for digital model	SDAS-100057 Analog for digital model

4.5 Platform


DAS-100038 Analog for digital model

WISE LOCK

Attachment System



INSTRUCTIONS FOR USE

The BIOFIX system relies on a unique design of a hug ring made of PEEK, i.e. Poly Ether Ether Ketone (PEEK).

For more information go to: <http://www.emdt.co.uk/article/use-peek-advanced-active-implants>.

The PEEK polymer shows excellent resistance to stress and Plastic deformations, which extends the life of the product beyond the lives of other alternatives products that are available on the market.

The unique mechanical and elastic properties of PEEK allow for a large diameter of spherical hug, resulting a very high grip force. The geometry of the titanium abutment (base unit ring) and the accompanying PEEK attachment create a large contact area, ensuring excellent stability of the prosthesis and comfort to the patients.

The wise lock abutment is designed with full hexagon and prosthetic screw. This design eliminate the micro movements and prevent the screw release.

This abutment design is a big advantage compering to the previous monoblock design.

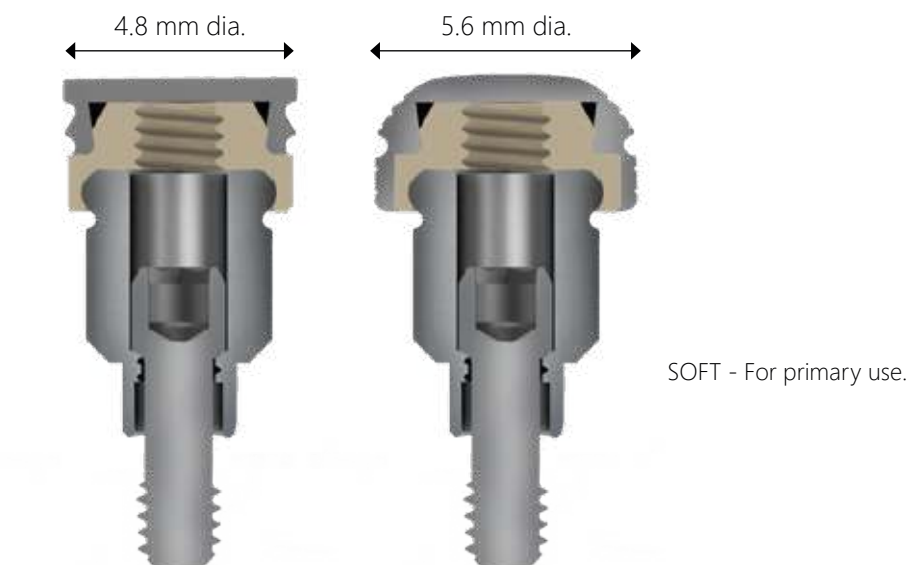
Tin coating

Wear resistance: extremely high wear resistance towards bone cement.

Abrasion: low friction; significant increase of scratch resistance of the surface.

Reduction of allergy potential by reduction of ion release to the detection limit.

Outstanding biocompatibility of TiN (was proved in several publications).



There is a variety of the attachments that can be used on the denture.
All the attachments connect to the Wise Lock abutments:



WCP-2348

4.8 mm dia. PEEK attachment, to be mounted without metal housing in very narrow cases.



WCP-2348-H

HARD - Use upon request for better stability of the prosthesis.



WCPS-2348-H

SOFT - For primary use.



WCPF-2348-H

POSITIONING - Use upon request for better stability of the prosthesis.



WCH-4823

4.8 mm dia. semi-protection of the PEEK attachment, secondary, preferred in narrow cases between the implants.

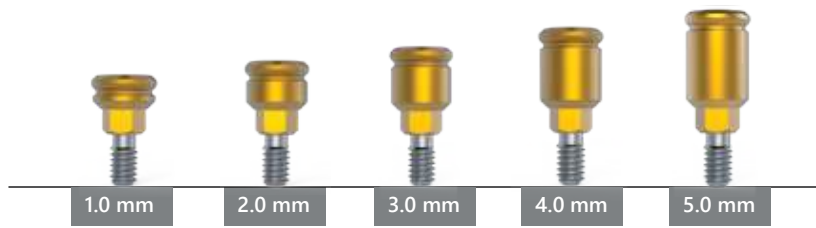


WCHN-5628

5.6 mm dia. full-protection of the PEEK attachment. First choice to be preferred.



WISE LOCK REGULAR PLATFORM STRAIGHT RANGE



9°

WISE LOCK ANGULAR



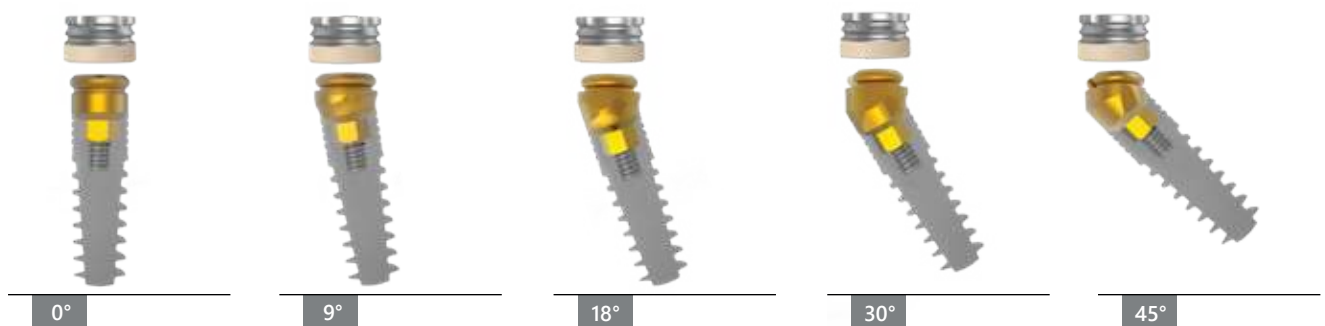
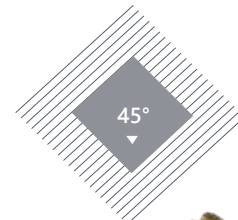
18°

WISE LOCK ANGULAR

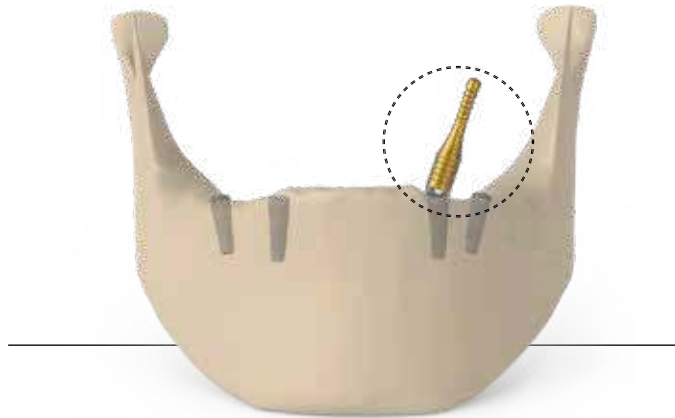


30°

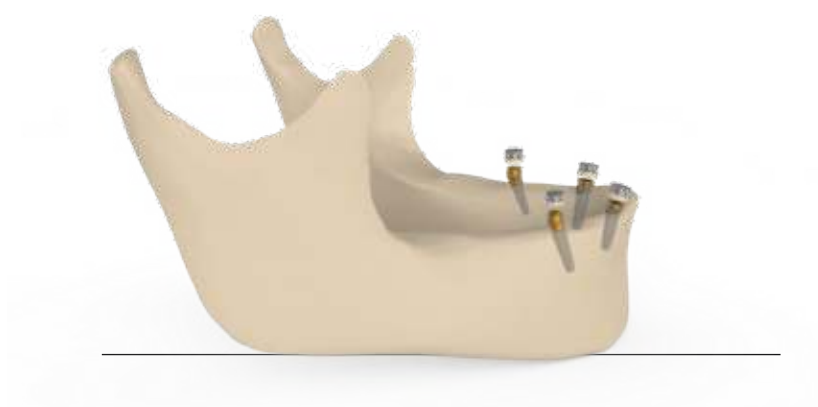
WISE LOCK ANGULAR



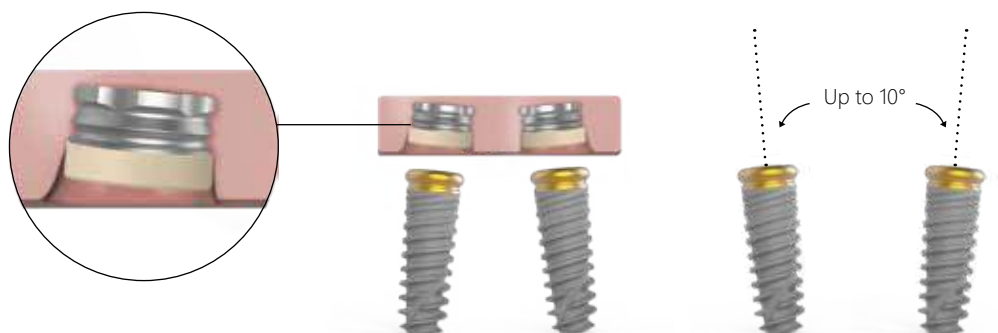
■ ANGLE AND HEIGHT CLIP GAUGE (Use the Gauge Set for angle and height selection).



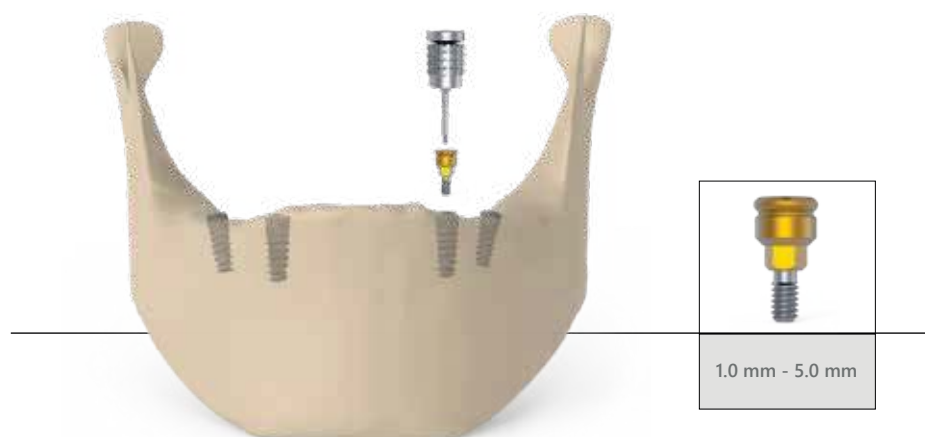
The wide contact area is possible because of the wide range of angles: 0°, 9°, 18°, 30°, 45° and wide range of heights: 1 mm up to 4 mm. The availability of these options allows a near-perfect match for the contact areas between the titanium abutment (base unit ring) and the PEEK attachment.



When mounting the WISE LOCK SYSTEM, it is critical to verify up to 5° parallelism between the PEEK attachment and the base abutment.



- For placement of the Wise Lock straight abutment use a standard 1.27 mm hex drive tool.





CLOSED TRAY IMPRESSION COPING

Connect the transfer into the abutment. Inject impression material and position the impression tray.



Send the impression tray to the laboratory with analogs.

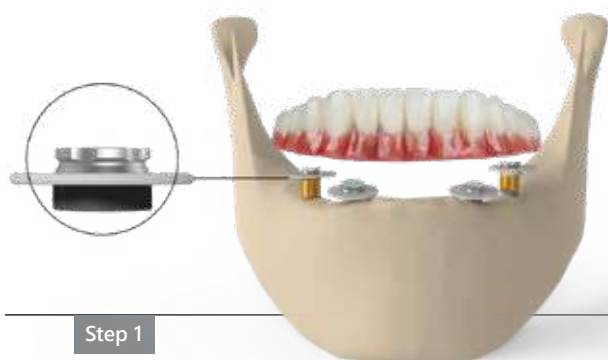


WISE LOCK FIXATION

Protecting Nylon Sealed Ring (CAT NO: SCH-8540).

should be mounted on the WISE LOCK housing slot, along with the WCPF-2348-H.

Use WCPF-2348-H only for positioning, not for attachment.

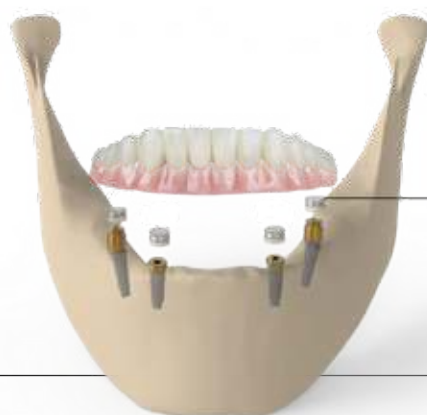


Step 1



Step 2

Hold without pressure
until material is set.



Step 3

WCPF-2348-H

WCP-2348-H

CONNECTION OF THE FINAL PROSTHETIC

RESTORATION: Wise Lock denture caps are placed.

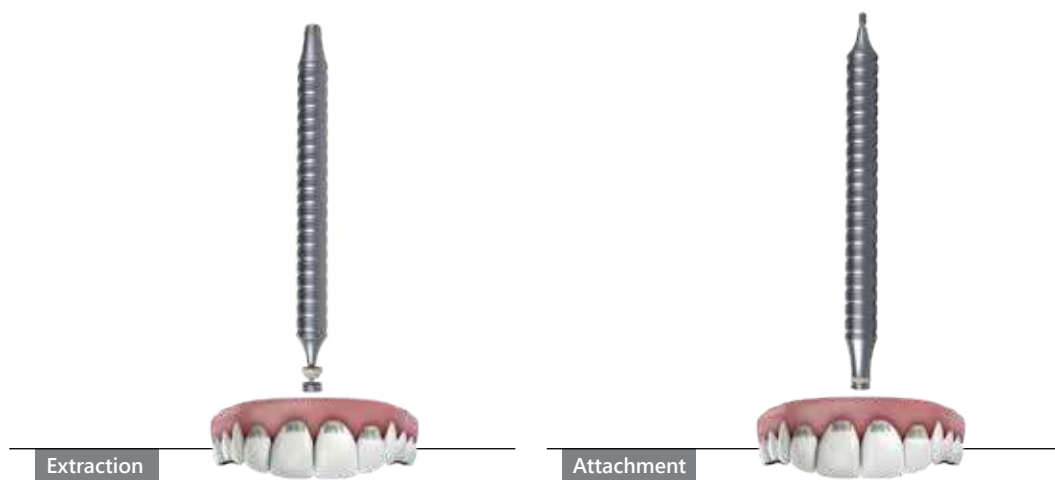
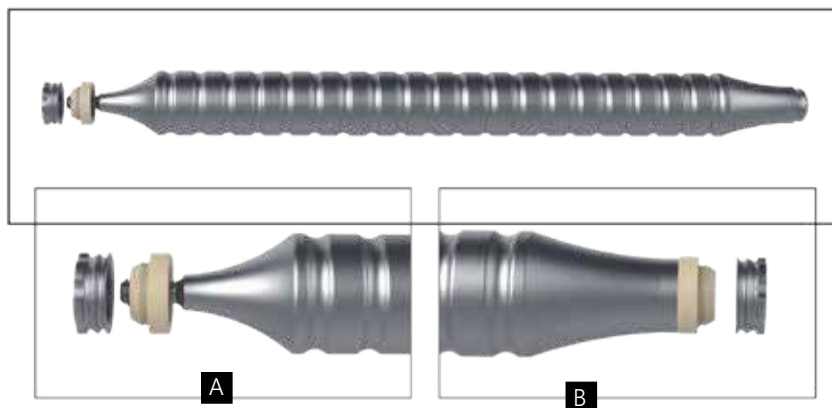
The Nylon Ring (SCH-8540) should be removed.

Note

Please be aware that the PEEK attachment should be replaced if exposed to a temperature higher than 100°C.

■ MAINTENANCE

- A** Replacing the PEEKs holding attachment is very simple. Threading the WCT 900 special tool into the threaded hole in the PEEK attachment - will cause the ejection of the PEEK part, as shown.
- B** Put the new peek attachment into the oposite side of the special tool.



Note In cases where there are significant differences in heights and angles, the patient should be instructed to press the prosthesis first at the front of mouth until hearing the engagement click and then tighten the back of the prosthesis until sensing the second engagement click.

STRAIGHT WISE LOCK

Overdenture Attachment connection to implants



WISE LOCK REGULAR PLATFORM STRAIGHT RANGE

WCS-0010 H = 1.0 mm	WCS-0020 H = 2.0 mm	WCS-0030 H = 3.0 mm	WCS-0040 H = 4.0 mm	WCS-0050 H = 5.0 mm

WISE LOCK - FULL SET

Abutment bases with peek attachment and housing covers

3.75 Platform

WCS-0010-M H = 1.0 mm	WCS-0020-M H = 2.0 mm	WCS-0030-M H = 3.0 mm	WCS-0040-M H = 4.0 mm	WCS-0050-M H = 5.0 mm

WISE LOCK - ACCESSORIES

Included in SET

WCHN-5628 Stainless Steel Housing Cover	WCH-4823 Stainless Steel Housing	WCPF-2348-H Positioning	WCPS-2348-H Soft Housing PEEK Attachment	WCP-2348-H Hard Housing PEEK Attachment	WCP-2348 Direct PEEK Attachment	SCH-8540 Nylon Sealed Ring

Not Included in SET

TWC-1105 Transfer For Wise Lock	WCT-900 Wise Lock Tool	AWC-1301 Analog For Wise Lock

ANGULAR WISE LOCK CONCEPT 9°, 18°, 30°, 45°

Wise Lock Overdenture Attachment - SETS



9°

WISE LOCK ANGULAR - 9° FULL SET

			
AWC-0910-M H01 = 1.3 mm	AWC-0920-M H02 = 2.3 mm	AWC-0930-M H03 = 3.3 mm	AWC-0940-M H04 = 4.3 mm

18°

WISE LOCK ANGULAR - 18° FULL SET

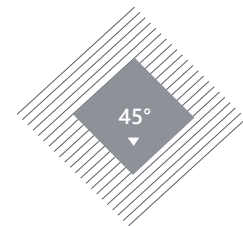
			
AWC-1810-M H01 = 2 mm	AWC-1820-M H02 = 3 mm	AWC-1830-M H03 = 4 mm	AWC-1840-M H04 = 5 mm

30°

WISE LOCK ANGULAR - 30° FULL SET

			
AWC-3010-M H01 = 2.5 mm	AWC-3020-M H02 = 3.5 mm	AWC-3030-M H03 = 4.5 mm	AWC-3040-M H04 = 5.5 mm

	
AWC-4510-M H01 = 3.5 mm	AWC-4520-M H02 = 5 mm

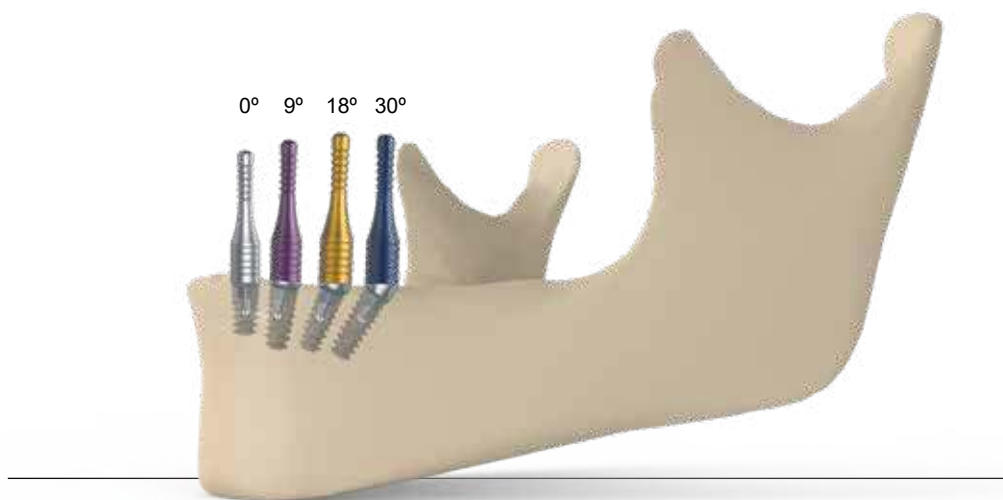


GAUGE ANGLE AND HIGH MINOR

Clip Attachment

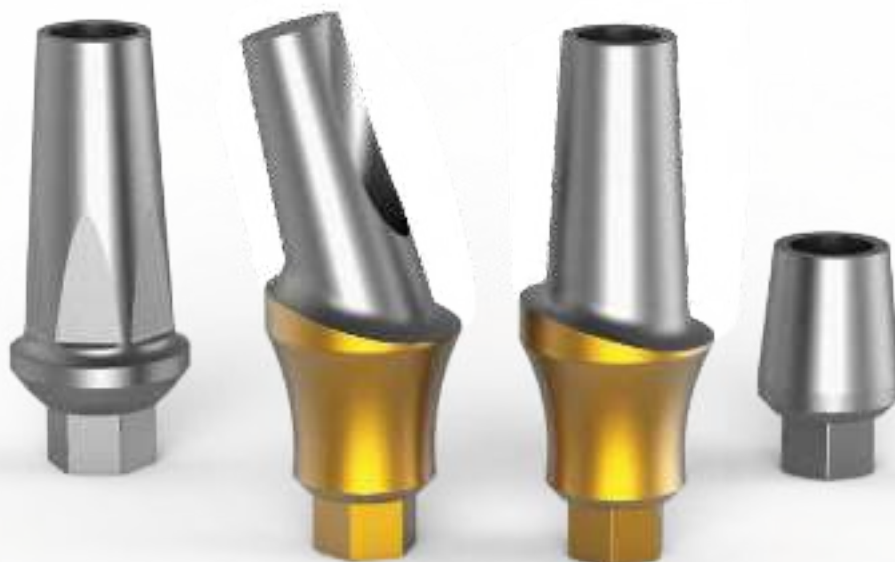
				
GAHM-00 Straight Gauge	GAHM-09 9° Angle Gauge	GAHM-18 18° Angle Gauge	GAHM-30 30° Angle Gauge	GAHM-SET Set includes the full range of Gauges

■ Using the angle gauges gives you an option to pre-plan the use of the abutment in order to achieve maximum parallelism.



CEMENTED S SYSTEM

AESTHETIC
ABUTMENTS



AESTHETIC ABUTMENTS

Includes a Retaining Screw



STRAIGHT CURVE CONCAVE MINOR TIN COATING

3.75 Platform

			
SCCM-1110-T H = 1.0 mm ConCave Straight Shoulder	SCCM-1220-T H = 2.0 mm ConCave Straight Shoulder	SCCM-1330-T H = 3.0 mm ConCave Straight Shoulder	SCCM-1440-T H = 4.0 mm ConCave Straight Shoulder

4.5 Platform

			
SCCW-1110-T h = 1.0 mm Aesthetic Shoulder	SCCW-1220-T h = 2.0 mm Aesthetic Shoulder	SCCW-1330-T h = 3.0 mm Aesthetic Shoulder	SCCW-1440-T h = 4.0 mm Aesthetic Shoulder

ANGULAR CURVE CONCAVE TIN COATING

3.75 Platform 15°

			
ACCM-1115-10-T h = 1.0 mm ConCave Shoulder TIN Coating	ACCM-1215-20-T h = 2.0 mm ConCave Shoulder TIN Coating	ACCM-1315-30-T h = 3.0 mm ConCave Shoulder TIN Coating	ACCM-1415-40-T h = 4.0 mm ConCave Shoulder TIN Coating

3.75 Platform 25°

			
ACCM-1125-10-T h = 1.0 mm ConCave Shoulder TIN Coating	ACCM-1225-20-T h = 2.0 mm ConCave Shoulder TIN Coating	ACCM-1325-30-T h = 3.0 mm ConCave Shoulder TIN Coating	ACCM-1425-40-T h = 4.0 mm ConCave Shoulder TIN Coating

STRAIGHT AESTHETIC ABUTMENTS

Includes a Retaining Screw

STRAIGHT CURVE MINOR

3.75 Platform

			
SCM-1110 H = 1.0 mm Aesthetic Shoulder	SCM-1220 H = 2.0 mm Aesthetic Shoulder	SCM-1330 H = 3.0 mm Aesthetic Shoulder	SCM-1440 H = 4.0 mm Aesthetic Shoulder

STRAIGHT CURVE CONCAVE MINOR

3.75 Platform

			
SCCM-1110 H = 1.0 mm ConCave Straight Shoulder	SCCM-1220 H = 2.0 mm ConCave Straight Shoulder	SCCM-1330 H = 3.0 mm ConCave Straight Shoulder	SCCM-1440 H = 4.0 mm ConCave Straight Shoulder

STRAIGHT LEVEL MINOR WITH HEX

3.75 Platform

		
SLM-1116 H = 1.0 mm Straight Shoulder	SLM-1226 H = 2.0 mm Straight Shoulder	SLM-1336 H = 3.0 mm Straight Shoulder

STRAIGHT LEVEL MINOR

3.75 Platform

		
SLM-1110 H = 1.0 mm Straight Shoulder	SLM-1220 H = 2.0 mm Straight Shoulder	SLM-1330 H = 3.0 mm Straight Shoulder

STRAIGHT LEVEL MINOR WITH GROOVES

3.75 Platform

		
SLM-1110-G H = 1.0 mm Straight Shoulder	SLM-1220-G H = 2.0 mm Straight Shoulder	SLM-1330-G H = 3.0 mm Straight Shoulder

STRAIGHT SLIM MINOR

3.75 Platform

		
SSM-0006 H = 4.0 mm Ultra Slim Abutment	SSM-0008 H = 6.0 mm Ultra Slim Abutment	SSM-0010 H = 8.0 mm Ultra Slim Abutment

STRAIGHT MINOR

3.75 Platform

			
STM-0910 H = 7.0 mm Standard Abutment	STM-1110 H = 9.0 mm Standard Abutment	STM-1310 H = 11.0 mm Standard Abutment	STM-1120 H = 9.0 mm Standard Abutment

STRAIGHT CURVE WIDE

4.5 Platform

			
SCW-1110 h = 1.0 mm Aesthetic Shoulder	SCW-1220 h = 2.0 mm Aesthetic Shoulder	SCW-1330 h = 3.0 mm Aesthetic Shoulder	SCW-1440 h = 4.0 mm Aesthetic Shoulder

STRAIGHT CURVE WIDE

4.5 Platform

			
SCCW-1110 h = 1.0 mm Aesthetic Shoulder	SCCW-1220 h = 2.0 mm Aesthetic Shoulder	SCCW-1330 h = 3.0 mm Aesthetic Shoulder	SCCW-1440 h = 4.0 mm Aesthetic Shoulder

STRAIGHT LEVEL WIDE

4.5 Platform

		
SLW-1110 h = 1.0 mm Straight Shoulder	SLW-1220 h = 2.0 mm Straight Shoulder	SLW-1330 h = 3.0 mm Straight Shoulder

STRAIGHT WIDE

4.5 Platform


STW-1110 H = 9.0 mm Standard Abutment

H = Abutment height.
h = Shoulder height.

ANGULAR AESTHETIC ABUTMENTS

Includes a Retaining Screw

SPECIFICATIONS

- The angular aesthetic Abutment body functions as impression coping Includes the Prosthetic Screw.
- Installation using large external hex drivers (1.3mm)
- Non-rotational design for standard, internal-hex implants
- Compatible with ZIMMER®, MIS, ALPHA BIO, A.B.DENTAL, Bio Horizon
- Made of Commercial grade 5 Titanium alloy (ASTM-F-136 02A COND A)

In order to preserve the original structure of the titanium alloy, **BIOFIX** utilizes advanced CAD/CAM methods in the production process. These methods effectively reduce undesirable deformations of the alloy structure.

ANGULAR CURVE MINOR

3.75 Platform 15°

			
ACM-1115-10 h = 1.0 mm Aesthetic Shoulder	ACM-1215-20 h = 2.0 mm Aesthetic Shoulder	ACM-1215-30 h = 3.0 mm Aesthetic Shoulder	ACM-1315-40 h = 4.0 mm Aesthetic Shoulder

ANGULAR CURVE WIDE

4.50 Platform 15°

	
ACW-1115-10 h = 1.0 mm Aesthetic Shoulder	ACW-1215-20 h = 2.0 mm Aesthetic Shoulder

ANGULAR CURVE CONCAVE MINOR

3.75 Platform 15°

			
ACCM-1115-10 h = 1.0 mm ConCave Shoulder	ACCM-1215-20 h = 2.0 mm ConCave Shoulder	ACCM-1315-30 h = 3.0 mm ConCave Shoulder	ACCM-1415-40 h = 4.0 mm ConCave Shoulder

ANGULAR CURVE MINOR

3.75 Platform 25°

			
ACM-1125-10 h = 1.0 mm Aesthetic Shoulder	ACM-1225-20 h = 2.0 mm Aesthetic Shoulder	ACM-1325-30 h = 3.0 mm Aesthetic Shoulder	ACM-1425-40 h = 4.0 mm Aesthetic Shoulder

H = Abutment height.
h = Shoulder height.

ANGULAR CURVE CONCAVE MINOR

3.75 Platform 25°

			
ACCM-1125-10 h = 1.0 mm ConCave Shoulder	ACCM-1225-20 h = 2.0 mm ConCave Shoulder	ACCM-1325-30 h = 3.0 mm ConCave Shoulder	ACCM-1425-40 h = 4.0 mm ConCave Shoulder

ANGULAR SMOOTH MINOR

3.75 Platform 15°

		
ASM-0915 H = 7.0 mm Smooth Shape	ASM-1115 H = 9.0 mm Smooth Shape	ASM-1315 H = 11.0 mm Smooth Shape

ANGULAR SMOOTH THIN

3.75 Platform 15° & 25°

	
AST-1115 H = 9.0 mm Ultra Thin 15°	AST-1125 H = 9.0 mm Ultra Thin 25°

Ultra Thin and LEAF Abutments are for frontal teeth

ANGULAR SMOOTH MINOR

3.75 Platform 25°

		
ASM-0925 H = 7.0 mm Smooth Shape	ASM-1125 H = 9.0 mm Smooth Shape	ASM-1325 H = 11.0 mm Smooth Shape

ANGULAR SMOOTH WIDE

4.5 Platform 15°


ASW-1115 H = 9.0 mm Smooth Shape

H = Abutment height.
h = Shoulder height.

TEMPORARY AESTHETIC ABUTMENTS

Includes a Retaining Screw

Abutments for temporary restoration made of biocompatible material called PEEK. Polyethere Ether Ether Ketone is a colorless organic ThermoPlastic polymer, proven to provide long term service.

STRAIGHT TITANIUM ABUTMENT

3.75 Platform

	
SMT-1210 Engaging	SMT-1210-R Non Engaging

IMMEDIATE TEMPORARY CONICAL

For immediate loading restoration - For making a temporary bridge

3.75 Platform

					
ITC-0010 H = 1.0 mm Aesthetic Shoulder	ITC-0020 H = 2.0 mm Aesthetic Shoulder	ITC-0030 H = 3.0 mm Aesthetic Shoulder	ITC-0040 H = 4.0 mm Aesthetic Shoulder	ITC-0050 H = 5.0 mm Aesthetic Shoulder	ITC-0060 H = 6.0 mm Aesthetic Shoulder


CCP-00 PEEK cover Non engaging

PLASTIC ABUTMENTS FOR CASTING

STRAIGHT PLASTIC FOR CASTING

3.75 Platform \ 4.5 Platform

			
PSM-0013 Round Base	PSW-0013 Round Base Wide Platform	PSM-6013 Hex Base	PSW-6013 Hex Base Wide Platform

TITANIUM PLASTIC ABUTMENT

3.75 Platform

	
TPA-1420 Hex Base	TPA-1420-R Round Base

TITANIUM PLASTIC ABUTMENT

4.5 Platform

	
TPA-1420-W Hex Base Wide Platform	TPA-1420-WR Round Base Wide Platform

CrCo PLASTIC ABUTMENT

3.75 Platform

	
CPA-1405 Hex Base H= 0.5 mm	CPA-1405-R Round Base H= 0.5 mm

CrCo PLASTIC ABUTMENT

3.75 Platform

	
CPA-1420 Hex Base H= 2.0 mm	CPA-1420-R Round Base H= 2.0 mm

CrCo PLASTIC ABUTMENT

3.75 Platform

	
CPA-1430 Hex Base H= 3.0 mm	CPA-1430-R Round Base H= 3.0 mm

CrCo PLASTIC ABUTMENT

4.5 Platform

	
CPA-1420-W Hex Base Wide Platform	CPA-1420-WR Round Base Wide Platform

The CrCo / Titanium / Plastic Abutments are for investment and casting following conventional crown and bridge techniques. The CrCo / Titanium / Plastic Abutments combine the precision of a machined interface between the implant and the Abutment with the convenience of a Plastic sleeve for casting.

WRENCHES

&

COMPONENTS





Manual Tools



Machine Tools



Ratchet Hex
6.35 Wrench



Corkscrew



Adapter

MANUAL TOOLS

PROSTHETIC SCREW DRIVES 1.27

Manual

			
KSH-1013 10.0 mm Projection	KSH-1513 15.0 mm Projection	KSH-2013 20.0 mm Projection	KSH-3013 30.0 mm Projection

INTERNAL HEX 2.43 mm IMPLANT KEY WITH HOLDING CLIP

Manual

	
KSH-1224 12.0 mm Projection	KSH-1824 18.0 mm Projection

PROSTHETIC SCREW DRIVES 1.27

Machine

		
MKS-0813 8.0 mm Projection	MKM-1513 15.0 mm Projection	MKL-2513 25.0 mm Projection

INTERNAL HEX 2.43 mm IMPLANT KEY WITH HOLDING CLIP

Machine

	
MIC-1224 12.0 mm Projection	MIC-1824 18.0 mm Projection

RATCHET WRENCH

REGULAR RATCHET WRENCH HEX DRIVE 6.35 mm

It is recommended to use over a Torque Wrench



Tightening with the correct torque minimizes the risk of the screw loosening and improves the precision during bridge fabrication. Torque control can also reduce the risk of stress being built into the restoration and prevents component fractures.



CORCKSKEY

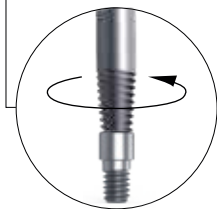
Universal Screw and Implant Extractor



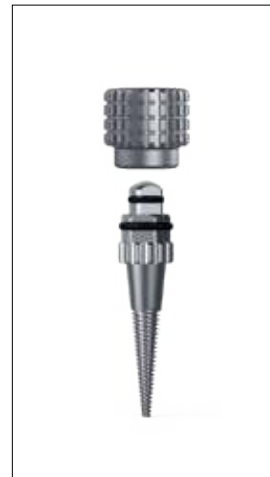
Can be used to remove:

- Implants with external hex connection , Internal three leg fit ("replace select") connection and Internal hex connection.
- Prosthetic screw with damage driver.

SCREW RELEASE KEY



THE CORCKSKEY HASE



S.O.S. Set - Screw Out Set



ADAPTER

SUPREME ADAPTER FOR HANDLE DRIVERS



AHD-10

Standard Tightening
Adapter: 10.0 mm

ADAPTER FOR HANDLE DRIVERS
Fastening strength increases



AHD-12

Extra increased tightening
Adapter: 12.0 mm

Healing caps are used to maintain access through tissue during the healing phase. They are available in a variety of heights and diameters to accommodate specific tissue depth.

HEALING CAP MINOR **ULTRA SLIM**

3.75 Platform

					
HCM-3720 Dia. 3.7 mm H = 2.0 mm	HCM-3730 Dia. 3.7 mm H = 3.0 mm	HCM-3740 Dia. 3.7 mm H = 4.0 mm	HCM-3750 Dia. 3.7 mm H = 5.0 mm	HCM-3760 Dia. 3.7 mm H = 6.0 mm	HCM-3770 Dia. 3.7 mm H = 7.0 mm

HEALING CAP MINOR SLIM

3.75 Platform

					
HCM-4020 Dia. 4.6 mm H = 2.0 mm	HCM-4030 Dia. 4.6 mm H = 3.0 mm	HCM-4040 Dia. 4.6 mm H = 4.0 mm	HCM-4050 Dia. 4.6 mm H = 5.0 mm	HCM-4060 Dia. 4.6 mm H = 6.0 mm	HCM-4070 Dia. 4.6 mm H = 7.0 mm

HEALING CAP MINOR NORMAL

3.75 Platform

					
HCM-5020 Dia. 5.0 mm H = 2.0 mm	HCM-5030 Dia. 5.0 mm H = 3.0 mm	HCM-5040 Dia. 5.0 mm H = 4.0 mm	HCM-5050 Dia. 5.0 mm H = 5.0 mm	HCM-5060 Dia. 5.0 mm H = 6.0 mm	HCM-5070 Dia. 5.0 mm H = 7.0 mm

CONCAVE HEALING CAP

3.75 Platform

			
CHC-0155 Dia. 5.5 mm H = 1.0 mm	CHC-0255 Dia. 5.5 mm H = 2.0 mm	CHC-0355 Dia. 5.5 mm H = 3.0 mm	CHC-0455 Dia. 5.5 mm H = 4.0 mm

HEALING CAP WIDE

4.5 Wide Platform

					
HCW-6030 Dia. 6.0 mm H = 3.0 mm	HCW-6040 Dia. 6.0 mm H = 4.0 mm	HCW-6050 Dia. 6.0 mm H = 5.0 mm	HCW-6060 Dia. 6.0 mm H = 6.0 mm	HCW-6070 Dia. 6.0 mm H = 7.0 mm	HCW-6080 Dia. 6.0 mm H = 8.0 mm

SUPREME HEALING CAP

3.75 Platform

		
HCS-37-- Dia. 3.7 mm H = 2.0-7.0 mm	HCS-40-- Dia. 4.6 mm H = 2.0-7.0 mm	HCS-50-- Dia. 5.0 mm H = 2.0-7.0 mm

Supreme Healing Cap With TiN Coating

The TiN coatings modifies only surface properties and has no effect on the substrate properties or biomechanical functionality.

Biocompatibility:

Biocompatibility of TiN has been demonstrated in numerous published studies. It is known to Improve friction and has a significantly higher degree of surface scratch resistance compared to other materials.

PROSTHETIC SCREWS

SCREWS FOR ABUTMENTS

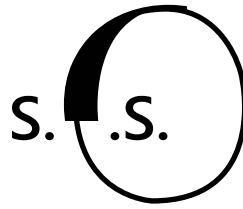
			
SCA-2385 For Angular Abutment	SCS-3095 For Straight Abutment	SMU-4023 Screw for Multi Unit Sleeve	SMU-5022 Screw for Multi-Unit High Hex

SCREW FOR Plastic ABUTMENTS

	
SCP-2580 For Straight Plastic Abutment	SCA-2565 For Angular Plastic Abutment

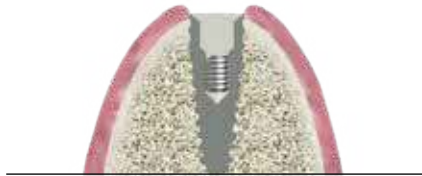
SCREWS FOR OPEN TRAY TRANSFER

		
SCT-3018 Screw for Short Open tray transfer	SCT-3023 Screw for Long open tray transfer	SCSC-1720 Long Screw for 3D scanning

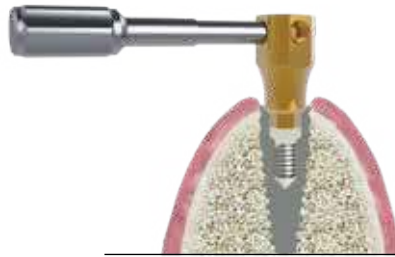


Set

- 1 Implant with broken screw below the occlusal surface of the implants.



- 2 Place the drill guide (SG-172) in the implant hex.

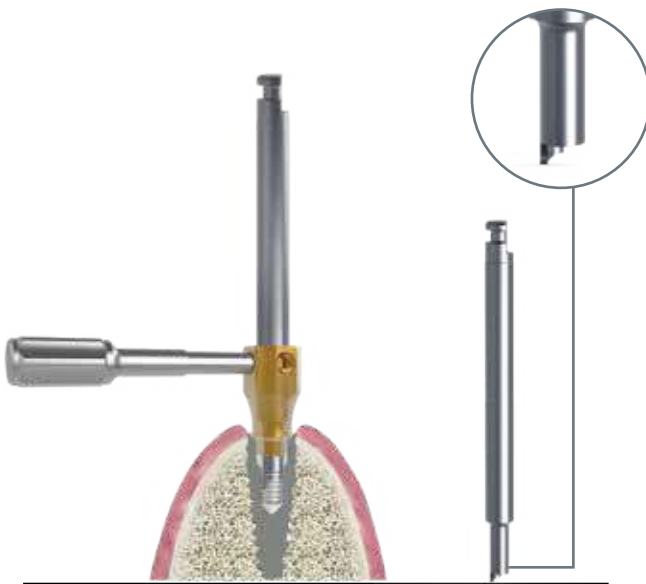


SG-172
SOS Guide



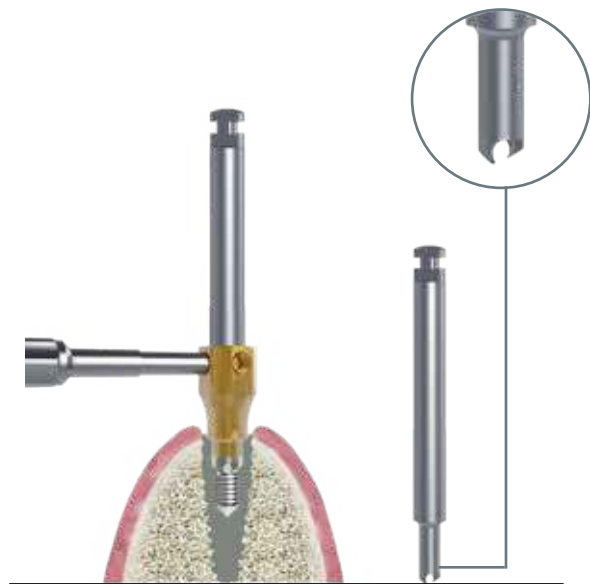
OLCH-2000
Orientation Lead
Screw Holder

- 3 Place the SOS Drill 1T (SCD-171) in the guide. Counter clockwise direction. Drilling speed: 50Rpm. While removing the screw, use repeated tapping movements through the drill guide.



SCD-171
SOS Drill

- 4 Place the SOS Climb Drill 2T (SCD-172) in the guide. The speed must be under 80Rpm. Counter clockwise direction. While removing the screw, use repeated tapping movements through the drill guide.



SCD-172
SOS Climb Drill

- 5 Take the broken screw out!



S.O.S. Set - Screw Out Set

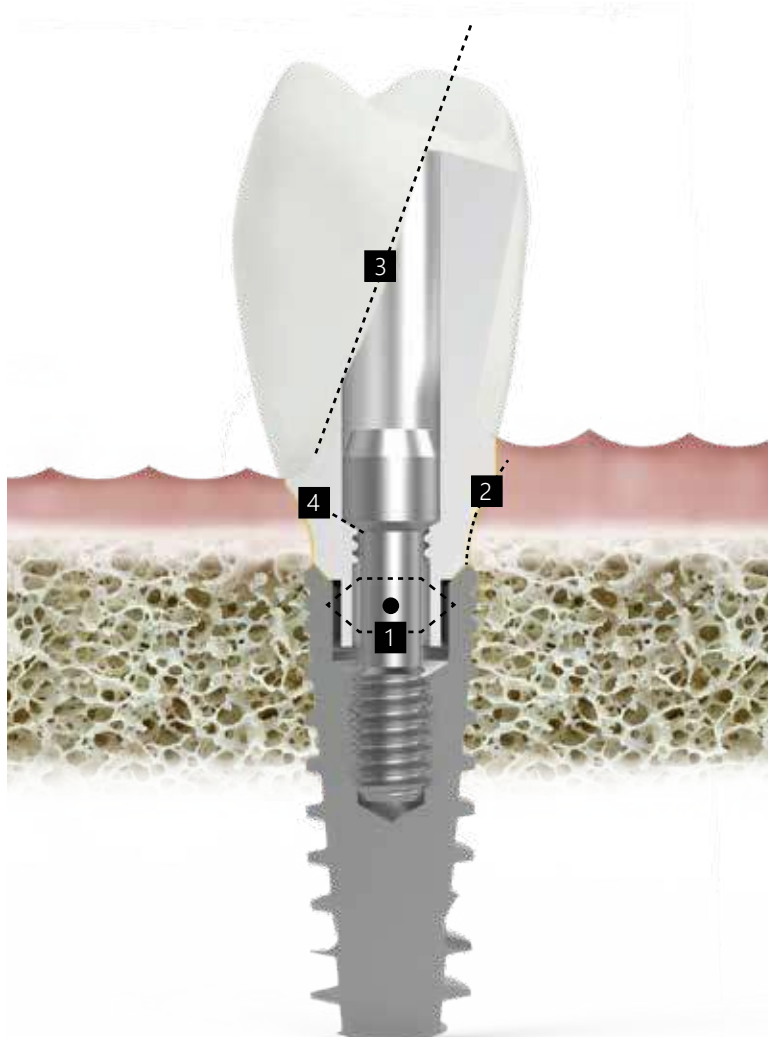
BIOFIX's ADVANT/GES

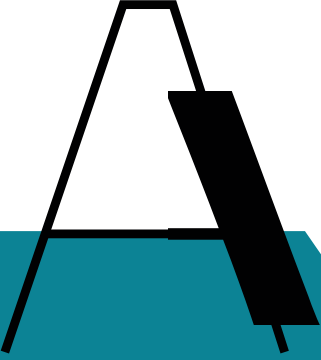
1 Abutment central positioning.

2 Perfect match with all major implant companies Platforms.

3 The screw head is precisely designed for merging with the abutment shape.

4 The interface angle creates a bigger contact surface for perfect centering and repeatability when tightening the abutment screw in the lab or on the implant. The angle at the top of the screw creates a larger contact area which requires a high opening torque.



A stylized black outline of the letter 'A' is positioned to the left of the word 'ACCESSORIES'. The 'A' is composed of two diagonal lines meeting at a point, with a horizontal crossbar. A solid black rectangular block is placed over the right diagonal line of the 'A'.

ACCESSORIES

Wide range of
solutions in
any unexpected
situations





NOTES

[illegible]

All of BIOFIX's Internal Hexed full line of Implants, Prosthetic Components and Abutments are compatible with standard platforms: 3.75, 4.2, 4.5mm [Zimmer®, MIS®, SIRONA®, AMANN GIRRBACH®, ZIRKONZAHN®]. BIOFIX's manufacturing techniques are constantly evolving to the future challenges of the industry's next generation requirements at a competitive price. All of our products are manufactured in-house. Registered trademarks are owned by their respective companies and there is no commercial relationship with BIOFIX Dental.

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