



Prosthetics



## Screw-Retained Restoration Line

The Multi Unit Abutment System  
on Straight and Tilted Implants








# Professional System for Superior Esthetics



Alpha-Bio Tec introduces an advanced screw retained restoration system with an esthetic narrower design. The system which is the optimal solution for straight and tilted implants, provides exceptional stability and high reliability. The system is planned to facilitate the work of the dentist and technician and to ensure ultimate results.

#### KEY ADVANTAGES:

- Narrower prosthetic parts enable the use of thicker porcelain crowns at the final restoration stage, for stronger, more esthetic results.
- Additional new restorative parts provide a comprehensive solution for any clinical condition.
- Supports various clinical procedures in the maxilla and mandible areas, for a single tooth, partial or full edentulous jaw or overdenture restoration.

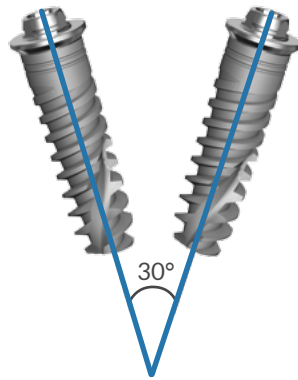
	ABUTMENTS TYPE	DIMENSIONS	WHEN TO USE?
	TCT-N Abutments	Ø4.7 mm with cuff heights of 0.75, 1.5, 2.5, 3.5, 4.5 or 5.5 mm	<ul style="list-style-type: none"> <li>• Designed to correct diversion of up to 30° between the implants</li> <li>• Multiple unit fixed restoration</li> <li>• Stabilizing overdentures</li> </ul>
	TSA-N Abutments	Ø3.85 mm with cuff heights of 1.7, 2.5, 3, 3.85 and 5 mm	<ul style="list-style-type: none"> <li>• Designed to correct diversion of up to 45° between the implants</li> <li>• Screw-retained multiple unit fixed restoration and bars</li> <li>• Stabilizing overdentures</li> </ul>
	HBC Abutments	Ø4.7 mm with cuff heights of 0.5, 1.5 or 2.5 mm	<ul style="list-style-type: none"> <li>• Single unit screw-retained restorations</li> </ul>
	Angular UniBase with Pro UniCover AUC-TCT-N	17° or 30° available in various heights	<ul style="list-style-type: none"> <li>• Multiple unit restoration</li> <li>• Aligning tilted implants</li> <li>• Fixed screw-retained restorations</li> </ul>
	Angular UniBase with Pro UniCover AUC-TSA-N	17° or 30° in various heights.	<ul style="list-style-type: none"> <li>• Multiple unit restoration</li> <li>• Aligning tilted implants</li> <li>• Fixed screw-retained restorations</li> <li>• Bar-retained overdentures</li> </ul>

## Restoration with straight abutment system

Alpha-Bio Tec's straight abutment systems for screw-retained restoration provide a solution for any clinical or restorative demand. All systems are **simple** and **easy** to use. Each system consists of a **range** of heights and widths to ensure that dentists have the solution they need for the specific case.

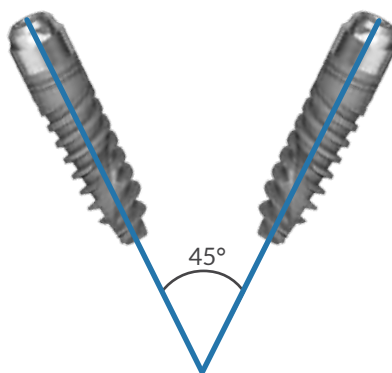
Alpha-Bio Tec has upgraded its extensively proven TSA and TCT screw-retained lines by making the upper section of the prosthetic part narrower. This improvement enables the use of wider porcelain crowns at the final restorative stage, which provides better esthetic results. The advanced design of the new transfers and analogs offer enhanced and more accurate impression-taking. Additionally, new restorative parts were added to each line to offer a comprehensive solution for every clinical condition.

### TCT-N
















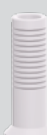













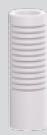















Provides flexibility for paralleled and unparallel implants restoration, with diversion of up to 30 degrees.

### TSA-N



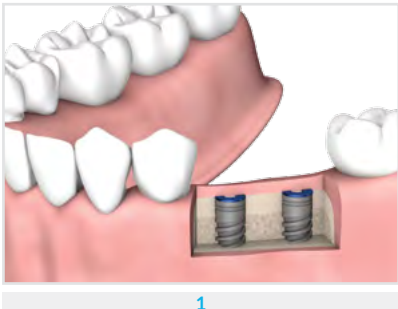
Provides flexibility for paralleled and unparallel implants restoration, with diversion of up to 45 degrees.

	ABUTMENTS	HEALING ABUTMENTS	IMPRESSIONS	TEMPORARY ABUTMENTS	SCREWS	CASTING ABUTMENTS
<b>TCT-N Abutment System</b> Restoration for up to 30°	  Available in 0.5, 1.5, 2.5, 3.5, 4.5 and 5.5mm cuff height (5221, 5222, 5223, 5252, 5253, 5254)	 HCTB-N (5241)   HCT6-N (5237)   HCT4-N (5236)	<p>Open Tray Transfers</p>  SFL-N (6012)  TST-N (5231) <p>Closed Tray Transfers</p>  TS-N (5235)  BTT-N (5211)  AUC-BTT-N (5212) <p>Analog</p>  Designed for the straight TCT abutments  Designed for the AUC-TCT-N UniCover	 TTA-N (5216)	 SF-N (6092)   SFT-N (6093)	 PST-N-AR (5217) Anti-rotational Used with 6092 & 6093   PST-N (5218) Rotational Used with 6092 & 6093
<b>TSA-N Abutment System</b> Restoration for up to 45°	  Available in 1.5, 2.5, 3, 4 and 5mm cuff height (5224, 5225, 5226, 5227, 5228)	 HSA3.0-N (5239)   HSA5.0-N (5240)	<p>Open Tray Transfers</p>  SFL-N (6012)  TOS-N (5233) <p>Closed Tray Transfers</p>  TS-N (5235)  BTS-N (5213)  AUC-BTS-N (5214) <p>Analog</p>  Designed for straight TSA abutments  Designed for the AUC-TSA-N UniCover	 TSS-N (5215)	 USP (5314) Use only with 5237   USL (5315) Use only with 5237	 PSS-N (5219) Used with 6092 & 6093
<b>HBC Abutment System</b> Single Tooth Restoration	  Available in 0.5, 1.5, and 2.5 mm cuff height (6040, 6041, 6042)	 HS	<p>Closed Tray Transfers</p>  HLT (5060)  HLTS (5170)   HLTSL (5062)  SHLT (5172) <p>Open Tray Transfers</p>  HLTO 5061  HLTOS 5171  LGP 5070  SHLT 5172   Analog IA (5080)		 LS Available in 0.5, 1.5, and 2.5 mm 6050, 6051, 6052	 PST-AR (6070)

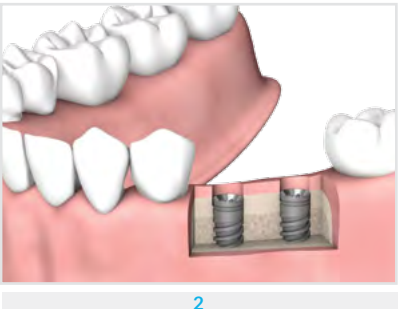
Note: product images are for illustrative purposes only.

## TSA-N/TCT-N Work Protocol

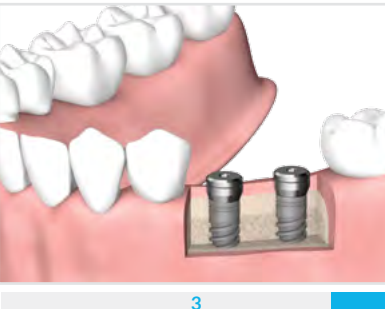
The below animations demonstrate the process with TSA parts, but the general process is relevant for the TCT as well.



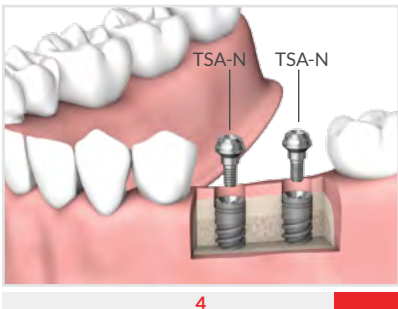
1  
After Implantation



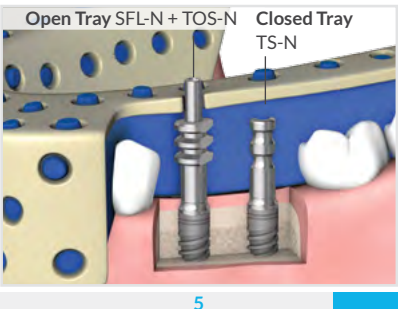
2  
Implants Exposure



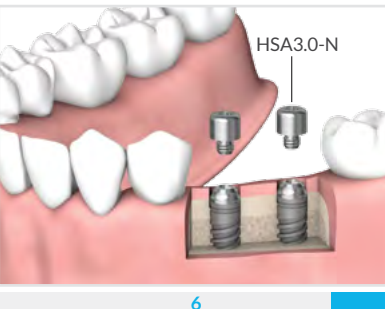
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Healing Abutment



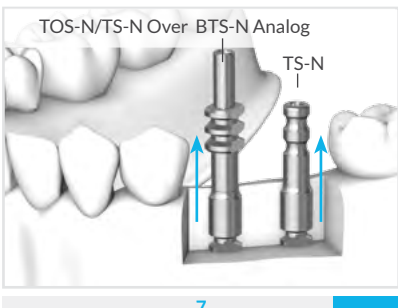
4  
Abutments Connection




5  
Open/closed Tray Impression\*



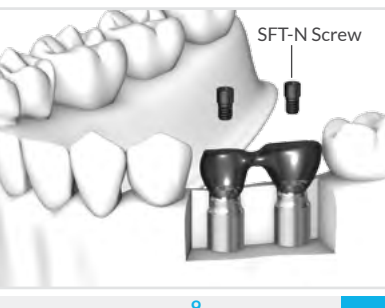
6  
Healing Abutments Caps Connection



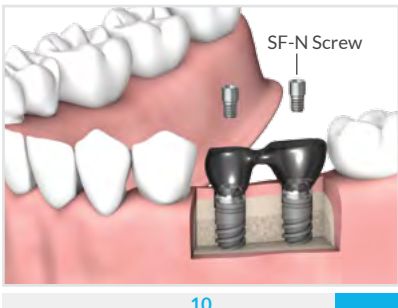
7  
Cast Model Creation



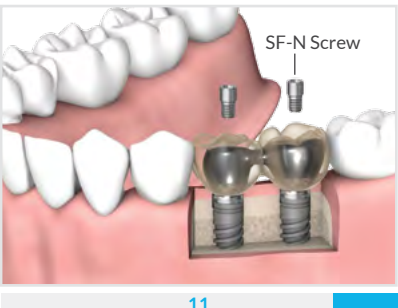
8  
Metal Frame Creation



9  
Metal Casting



10  
Check fit of Metal Framework



11  
Final restoration

TORQUE CHART	
Straight Abutment on Implant	30 Ncm
Titanium Temporary parts on Straight Abutment	15 Ncm
Plastic Sleeves on Straight Abutment	manually only (without Tool)
Transfers on Straight Abutment	manually only (without Tool)
Healing Abutment on Straight Abutment	10 Ncm
Final restoration on Straight Abutment	25 Ncm

Use 1.25 mm Driver
  Use 1.5 mm Driver

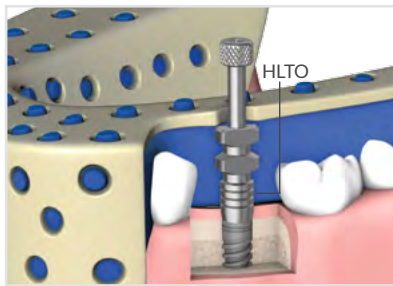
\* Impression can be taken from abutment or implant level.

# HBC Work Protocol



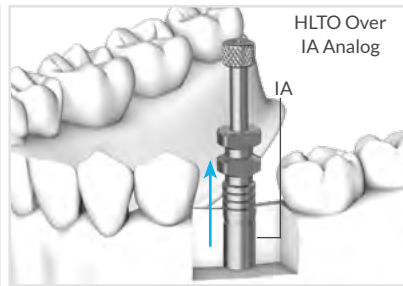
1

Healing Abutment



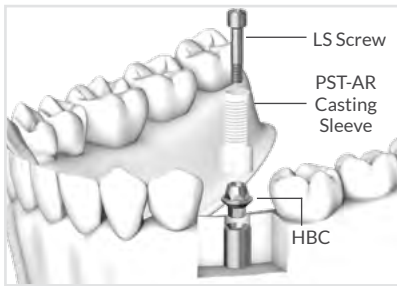
2

Open / closed tray impression  
at implant level



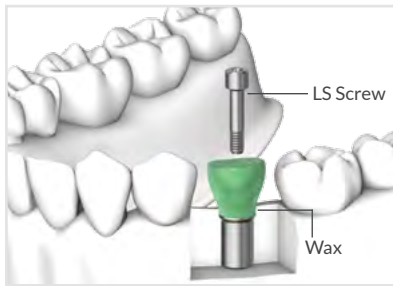
3

Cast Model Creation



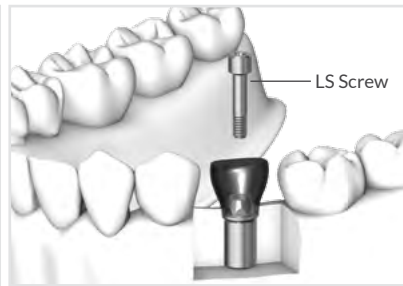
4

Picking HBC height



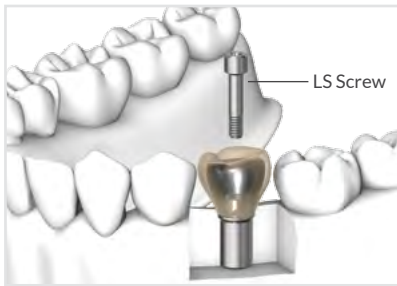
5

Metal frame creation



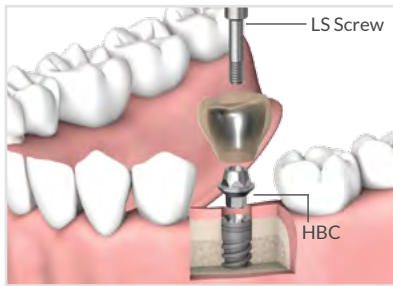
6

Metal casting



7

Final restoration



8

Final restoration placement



9

The HBC is screwed into the implant  
simultaneously with the crown

## TORQUE CHART

Abutment on Implant HBC (final restoration)	30 Ncm
Transfers on implant	manually only (without Tool)
Healing Abutment on implant	10 Ncm
Titanium Temporary parts on implant	30 Ncm
Plastic Sleeves on HBC to implant	manually only (without Tool)

Use 1.25 mm Driver



## Restoration on Tilted Implants

**ALPHA**  
**UNIVERSE** MULTI UNIT  
ABUTMENTS

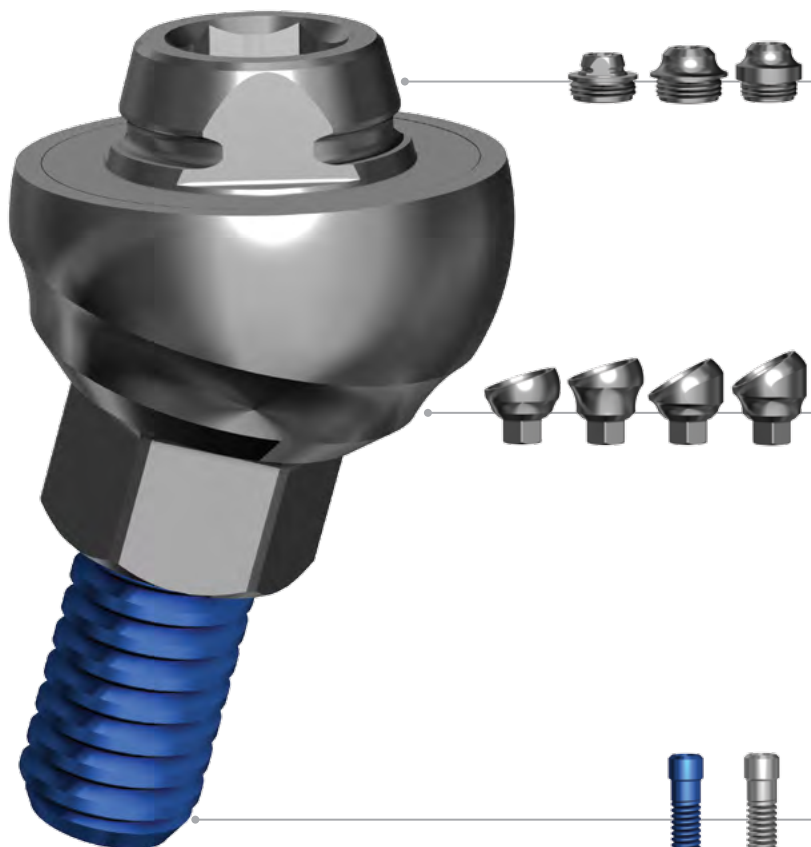
Scan QR code to  
watch the movie



The Alpha Universe abutment system is intended for use in cases where angulation correction is required. The system is **simple** and **easy** to use and consists of two parts: the UniBase, available in a range of angles and heights, and the UniCover which is available in a range of designs that correspond to the required restoration option. The **flexible** plastic holder has exceptional flexibility for easy insertion of the UniBase into the implant. The UniCover is screwed into the Unibase, a design which provides extra **strength** and **stability**.



Flexible **plastic holder** for simple insertion and optimal base placement into the implant.



AUC-TCT-N and AUC-TSA-N  
UniCovers for flexibility  
of restorative options.

17° or 30° strong angular **Alpha UniBase**  
enhances stability.

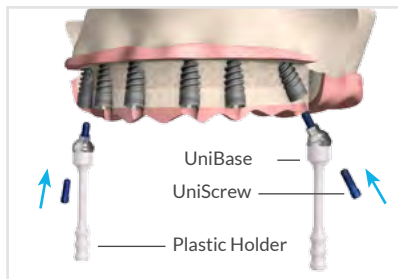
The blue **Alpha UniScrew** is designated  
for clinical operation while the silver  
is designated for laboratory procedures.



Alpha-Bio Tec offers a wide range of UniCovers for cemented and overdenture restorations such as TLAS, UniCover Balls and AlphaLoc UniCover (please refer to Product Catalog for more information).

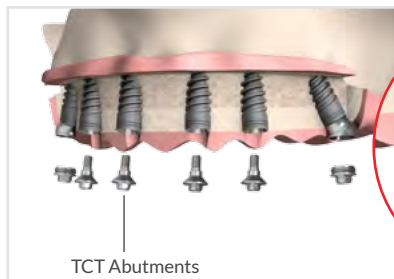


# Multi-Unit Work Protocol



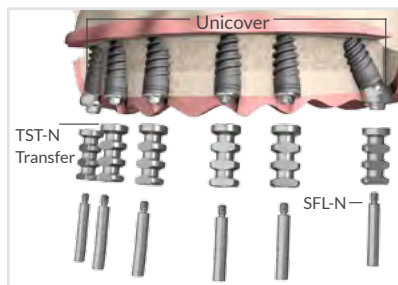
1

Unibase Insertion with Flexible Plastic Handle\*



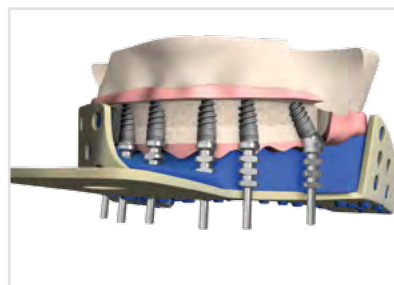
2

Abutments Connection



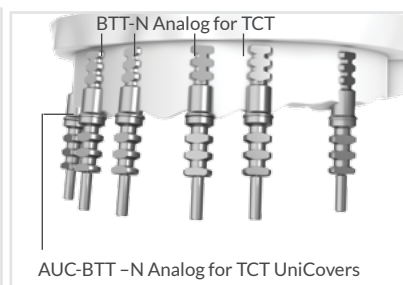
3

Abutment Level Transfer Connection\*\*



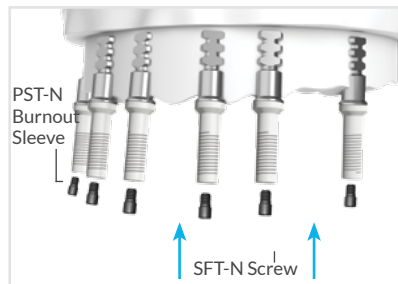
4

Open Tray Impression\*\*\*



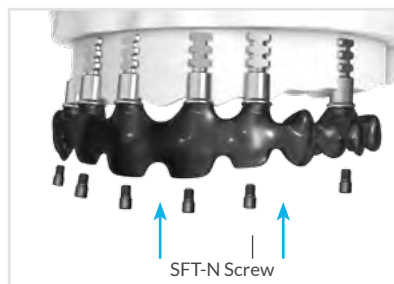
5

Model Casting Transfer



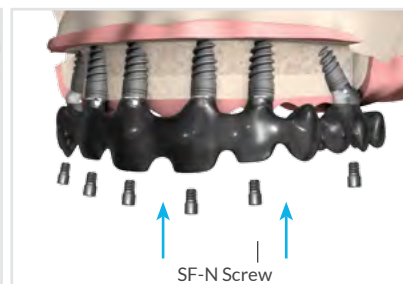
6

Casting process



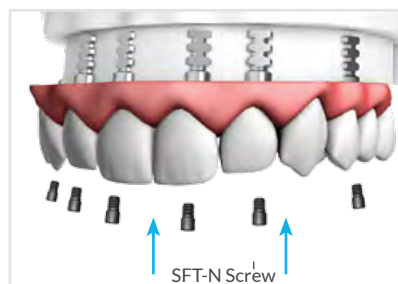
7

Metal Casting



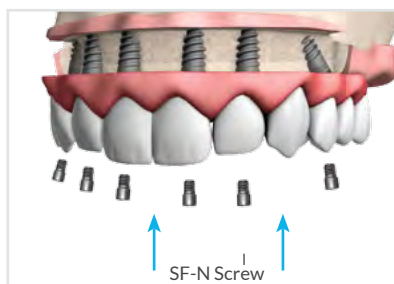
8

Check Fit of Metal Framework



9

Ceramic



10

Denture Placement

TORQUE CHART	
Unibase on Implant	30 Ncm
Unicover on Unibase	30 Ncm
Titanium Temporary parts on UniCover	15 Ncm
Plastic Sleeve on Unicover	manually only (without Tool)
Transfer on Unicover	manually only (without Tool)
Healing Abutment on Unicover	10 Ncm
Final restoration on Abutment	25 Ncm

Use 1.25 mm Driver Use 1.5 mm Driver

## Note:

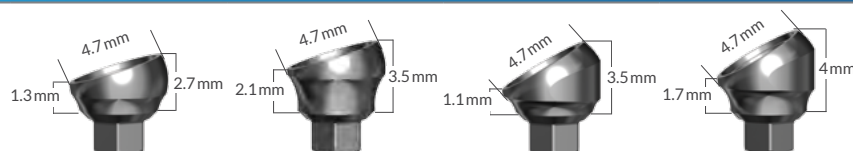
\* The UniBase is supplied with the screw located inside. The image is only for demonstration purposes.

\*\* The image shows an open tray impression technique. The close tray impression technique can be used as well (with TSN-N).

\*\*\* The Work Protocol can be done in Close Tray Impression as well.

## Alpha Universe Ordering Information

### Alpha UniBase



Degree	17°		30°	
Code	Body 17X1.5	Body 17X2.5	Body 30X1.5	Body 30X2.5
Ref. No.	5308	5309	5312	5313
Instructions	Use HTD 1.25 mm and HTD 1.25S (short) for insertion. Use 30 Ncm to tighten the abutment screw			
Includes	Alpha Unibase (Titanium), flexible holder (Plastic), 2 UniScrews (blue one for the physician and silver one for the laboratory)			



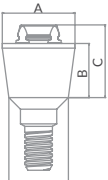
### Pro Alpha UniCovers



Height	1.2 mm	1.5 mm	2.5 mm
Code	AUC-TCT-N	AUC-TSA1.5-N	AUC-TSA2.5-N
Ref. No.	5201	5204	5203
Use With	TCT-N	TSA-N	TSA-N

## TSA-N and TCT-N Systems **Ordering Information**





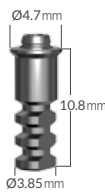
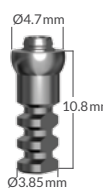
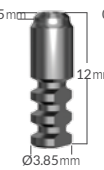
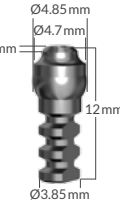
### TCT-N Abutment System





						
Dimensions	A: Ø4.7 mm B: 0.75 mm C: 1.7 mm	A: Ø4.7 mm B: 1.5 mm C: 2.7 mm	A: Ø4.7 mm B: 2.5 mm C: 3.7 mm	A: Ø4.7 mm B: 3.5 mm C: 4.7 mm	A: Ø4.7 mm B: 4.5 mm C: 5.7 mm	A: Ø4.7 mm B: 5.5 mm C: 6.7 mm
Code	TCT0.5-N	TCT1.5-N	TCT2.5-N	TCT3.5-N	TCT4.5-N	TCT5.5-N
Ref. No.	5221	5222	5223	5252	5253	5254

### TSA-N Abutment System

					
Dimensions	A: Ø3.85 mm B: 0.43 mm C: 1.7 mm	A: Ø3.85 mm B: 1.23 mm C: 2.5 mm	A: Ø3.85 mm B: 1.73 mm C: 3 mm	A: Ø3.85 mm B: 2.73 mm C: 4 mm	A: Ø3.85 mm B: 3.73 mm C: 5 mm
Code	TSA1.5-N	TSA2.5-N	TSA3.0-N	TSA4.0-N	TSA5.0-N
Ref. No.	5224	5225	5226	5227	5228



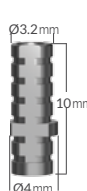
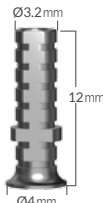
## Components Ordering Information

	TRANSFERS				ANALOGS			
								
Code	SFL-N	TST-N	TOS-N	TS-N	BTT-N	AUC-BTT-N	BTS-N	AUC-BTS-N
Ref. No.	6012	5231	5233	5235	5211	5212	5213	5214
Use With	TCT-N & TSA-N	TCT-N	TSA-N	TCT-N & TSA-N	TCT-N	Pro UniCover AUC-TCT-N	TSA-N	Pro UniCover AUC-TSA-N

SCREWS				
				
Code	USP	USL	SF-N	SFT-N (for lab)
Ref. No.	5314	5315	6092	6093
Use With	UniBase	UniBase	TCT-N & TSA-N	TCT-N & TSA-N

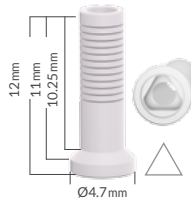

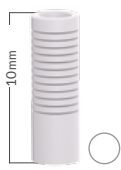
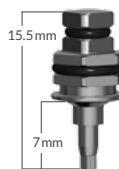
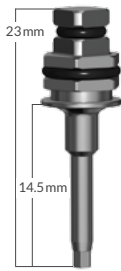
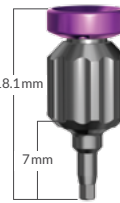
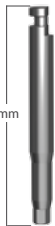

## HEALING ABUTMENTS

## TEMPORARY ABUTMENTS

							
Height	3.8 mm	6 mm	3.8 mm	3 mm	5 mm		
Code	HCTB-N	HCT6-N	HCT4-N	HSA3.0-N	HSA5.0-N	TSS-N	TTA-N
Ref. No.	5241	5237	5236	5239	5240	5215	5216
Use With	TCT-N	TCT-N	TCT-N	TSA-N	TSA-N	TSA-N	TCT-N

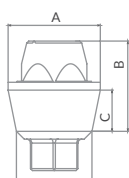
## CASTING ABUTMENTS

## HEX DRIVERS

								
	12mm 11mm 10.25mm Ø4.7mm		10mm	15.5mm 7mm	23mm 14.5mm	18.1mm 7mm	21mm	28.1mm 13mm
				1.5mm	1.5mm	1.5mm	1.5mm	1.5mm
Description	Burnout Sleeve	Burnout Sleeve	Burnout Sleeve	Short Hex Driver 1.5 mm	Hex Driver 1.5 mm	Hand Hex Driver 1.5 mm*	Motor mount hex Drive 1.5 mm	Pro Hand Hex Long Screw Driver
Code	PST-N-AR	PST-N	PSS-N	HTD1.5S	HTD1.5	HHS1.5	HT1.5	HHL1.5
Ref. No.	5217	5218	5219	4058	4057	4059	4168	4060
Use With	TCT-N	TCT-N	TSA-N	TCT-N & TSA-N	TCT-N & TSA-N	TCT-N & TSA-N	TCT-N & TSA-N	TCT-N & TSA-N

## HBC System Ordering Information

### HBC ABUTMENT SYSTEM



Dimensions	A: Ø4.7 mm B: 2.6 mm C: 0.5 mm	A: Ø4.7 mm B: 3.6 mm C: 1.5 mm	A: Ø4.7 mm B: 4.6 mm C: 2.5 mm
Code	HBC 0.5	HBC 1.5	HBC 2.5
Ref. No.	6040	6041	6042

### SCREWS

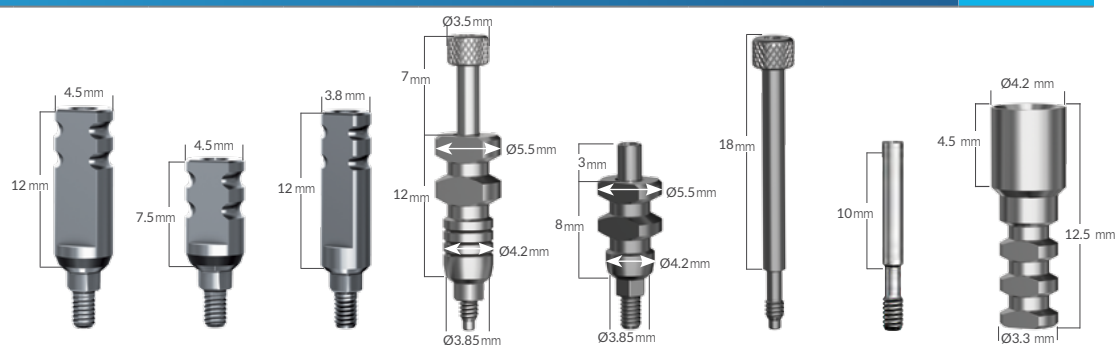
### PLASTIC SHEATH



Code	LS 0.5	LS 1.5	LS 2.5	PST-AR
Ref. No.	6050	6051	6052	6070

## TRANSFERS

## ANALOG



Code	HLT	HLTS	HLTLS	HLTO	HLTOS	LGP	SHLT	IA
Ref. No.	5060	5170	5062	5061	5171	5070	5172	5080







Prosthetics



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Alpha-Bio Tec's products are CE-marked in accordance with the Council Directive 93/42/EEC and Amendment 2007/47/EC. Alpha-Bio Tec complies with EN ISO 13485:2012 and the Canadian Medical Devices Conformity Assessment System (CMDCAS).

MEDES LIMITED. 5 Beaumont Gate, Shenley Hill, Radlett, Herts WD7 7AR. UK. Tel/Fax: +44 1923859810