STEP BY STEP IMPRESSION TECHNIQUES FOR CONICAL CONNECTION CS & CHC RESTORATIONS

End-to-end conical connection solution for predictable and esthetic results

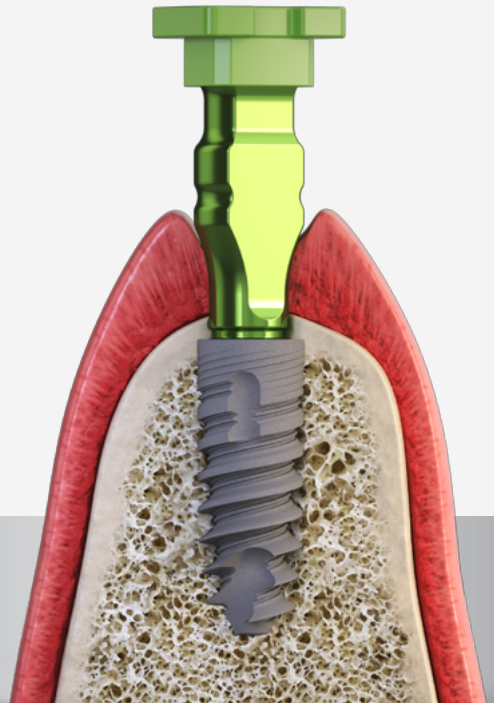
Alpha-Bio Tec's ConiPro Complete, is a simple to use, advanced end to-end conical connection solution. Suitable for all clinical indications, from single tooth replacement to full edentulism, ConiPro Complete forges the ultimate connection between biological principles, and an esthetical approach.

ConiPro Complete seamlessly combines conical connection implants, surface selection, prosthetics, Alpha-Bio Tec's surgical tool kit and robust digital workflows, manifesting the synergy between predictability & performance of our conical connection implant systems & our advanced prosthetic solutions.

IMPRESSION TRANFERS

DESIGN FEATURES & CLINICAL BENEFITS

- New and improved design for ease-of-use
- Concave emergence profile
- Compatible with the full prosthetic portfolio
- Closed tray transfer plastic cap for improved accuracy
- New positioning groove to assure correct placement

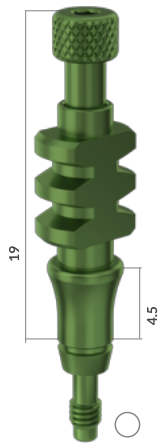


AlphaBio TEC Simplantology

IMPRESSION SYSTEM COMPONENTS OVERVIEW

OPEN TRAY TRANSFERS

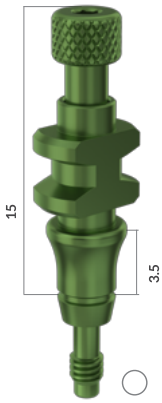
Ø 4.2 • FOR BRIDGES



3963

LONG R-CS

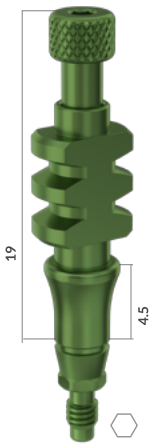
Ø 4.2



3964

SHORT R-CS

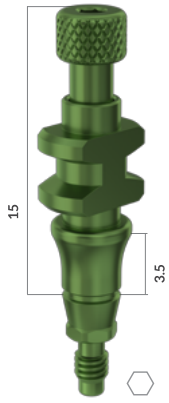
Ø 4.2 • FOR SINGLE UNIT



3965

LONG AR-CS

Ø 4.2



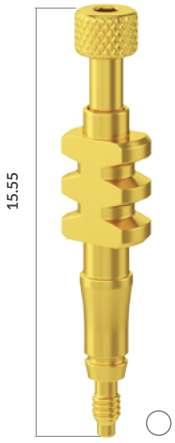
3966

SHORT AR-CS

OPEN TRAY TRANSFERS

• FOR BRIDGES

Ø 5

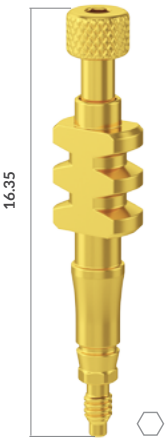


3306

SHORT R-CHC

• FOR SINGLE UNIT

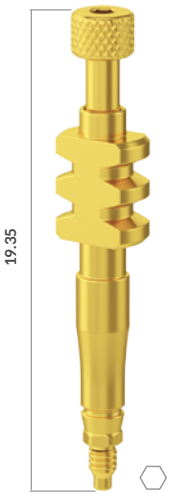
Ø 5



3308

SHORT AR-CHC

Ø 5



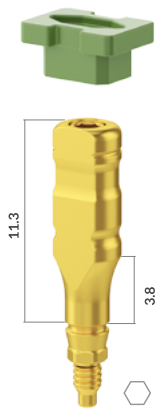
3307

LONG AR-CHC

CLOSED TRAY TRANSFERS

• FOR SINGLE UNIT

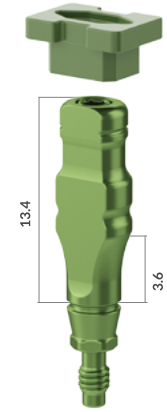
Ø 3.8



3350

SHORT NCTT -CHC

Ø 4.2



3961

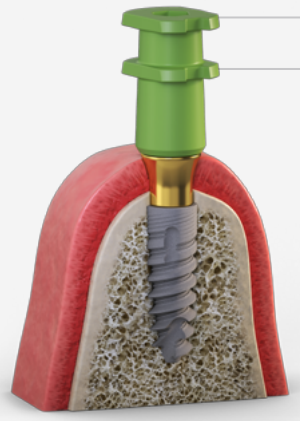
SHORT NSCTT-CS

** 10 units per package*

3910*

PLASTIC CAP

SNAP-ON IMPRESSION (ABUTMENT-LEVEL) COMPONENTS

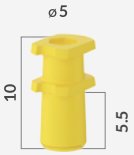


PLASTIC TRANSFERS

CS

3925

CHC

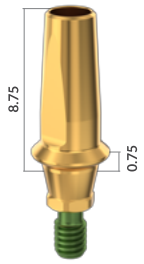


3327

are suitable for use with the following straight abutments:

CS

Ø 4.3



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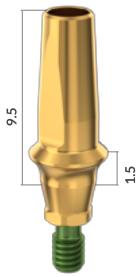
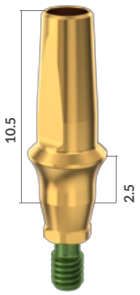
Ø 4.3



3921

Ø 4.3



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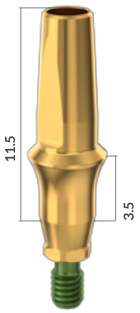
Ø 4.3



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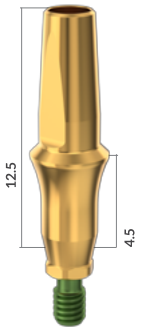
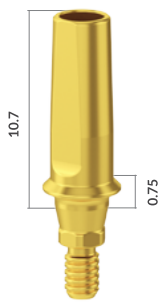
Ø 4.3



3924

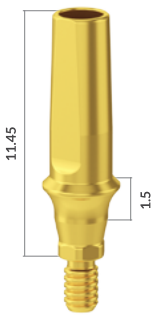
CHC

Ø 3.6



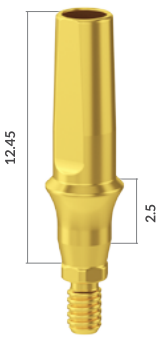
3320

Ø 3.6



3321

Ø 3.6



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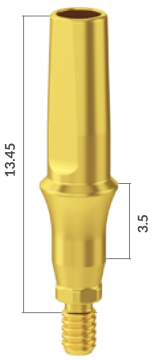
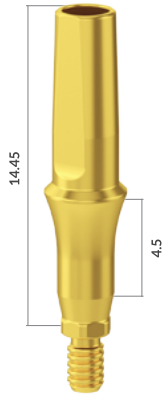
Ø 3.6



3323

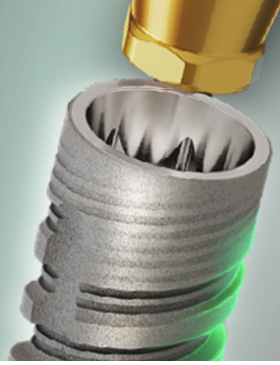
Ø 3.6



3324

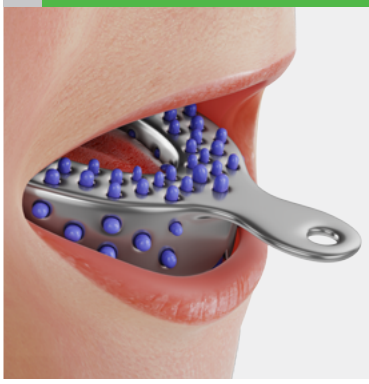
conipro complete

IMPRESSION TECHNIQUES



Impression techniques are selected, based on their specific applications, the clinical situation, and the dentist's professional discretion & preferences.

CLOSED TRAY TRANSFER



PROCEDURE

For this technique use a closed tray, without a window, and engage the impression coping directly to the implant.

BENEFITS

Easy and quick to use, especially for single implants.

Convenience- If the clinician prefers a quicker and simpler procedure without the need to drill holes in the tray, the closed tray technique is advantageous.

The shorter screw length allows the taking of impressions when mouth opening is limited.

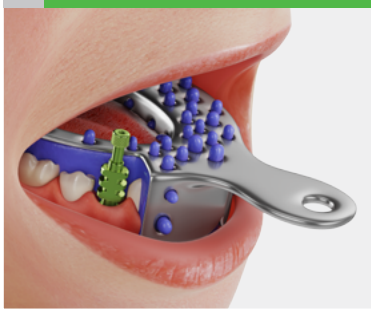
CLINICAL INDICATIONS

SINGLE IMPLANTS - For single implant cases, the closed tray technique is often sufficient and easier to use.

PARALLEL IMPLANTS - When implants are parallel and there is no significant angulation, the closed tray method can be used effectively.

SNAP-ON COMPONENTS - When using convenient Snap-On components, the closed tray method is suitable.

OPEN TRAY TRANSFER



PROCEDURE

In this technique, a tray with a perforated window is used. The impression coping protrudes through the window.

BENEFITS

In general, this technique is considered as more accurate.

CLINICAL INDICATIONS

MULTIPLE IMPLANTS - When placing multiple implants, especially if they are not parallelly positioned, the open tray technique is preferred, since it is considered as more accurate.

IMPLANT ANGULATION - If the implants are significantly angled or misaligned, the open tray method helps in capturing the exact position without distortion.

SUB-GINGIVAL IMPLANTS - When the implant shoulder is positioned 3 mm or more sub-gingivally, the open tray technique ensures a more precise impression.

SOFT TISSUE CONDITIONS - If the soft tissue around the implant requires a screwed-in component for greater stability, the open tray method is beneficial.

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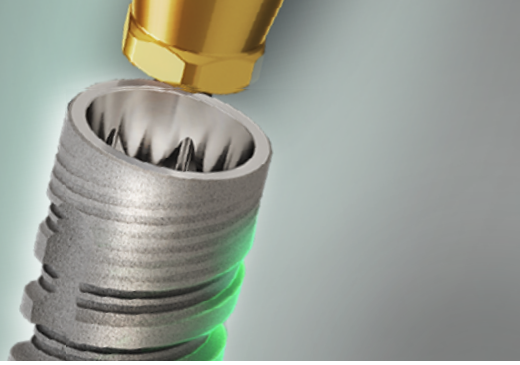
IMPRESSION TECHNIQUES



ABUTMENT LEVEL IMPRESSION

PROCEDURE

An abutment level impression is a closed tray technique, used in dental implantology to capture the position and orientation of the final abutment in relation to the surrounding teeth and oral structures. In this technique a Snap-On plastic transfer is directly snapped-on the final abutment.

BENEFITS

Simplicity- Easier and quicker compared to implant level impressions, as it does not require the removal of the abutment.

Convenience- Ideal for cases where the abutment is already in place and does not need to be removed.

CLINICAL INDICATIONS

SINGLE IMPLANTS - Often used for single implant restorations where the abutment is already in place.

SNAP-ON TRANSFERS for abutment level impressions.

STEP BY STEP INSTRUCTIONS FOR USE

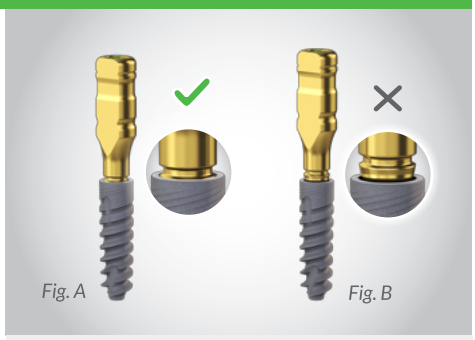
CLOSED TRAY IMPRESSION TECHNIQUE - CLINICIAN'S WORKFLOW

1

Select the appropriate closed tray impression transfer, compatible with the implant connection.

2

Attach the impression transfer to the implant, ensuring the flat side is aligned parallel to the buccal surface, and then manually tighten the screw with the 1.25 mm prosthetics driver.



3

To assure proper placement of the impression transfer, radiograph validation is recommended.

Fig. A demonstrates the correct position of the transfer.

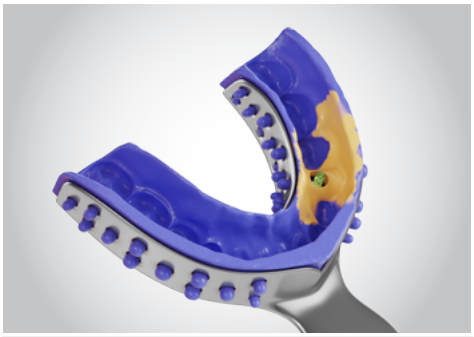
Fig. B demonstrates the incorrect position of the transfer.

4

Mount the plastic cap on the closed tray transfer coping head and gently press until you feel a "snap".

5

Apply the putty & wash in the tray, following immediately the application of the wash around the transfer coping & then fluently, place the tray in the mouth to allow the completion of the impression process.



6

After the impression material has set, remove the impression tray, and check the impression for any irregularities or bubbles.

STEP BY STEP INSTRUCTIONS FOR USE

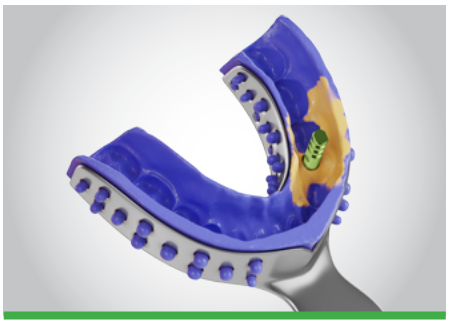
CLOSED TRAY IMPRESSION TECHNIQUE - CLINICIAN'S WORKFLOW

7

Remove the impression transfer from the implant by manually unscrewing the screw, with the 1.25mm prosthetic driver, Ref. 4052, 4053.

8

Engage the appropriate implant analog to the impression transfer.



9

Reposition the above mentioned structure (impression transfer and analog) into its corresponding location in the impression.

10

Take impressions of the antagonist jaw and record the intermaxillary relations.

11

Place the provisional or healing abutment onto the implant.

12

Send the impressions and intermaxillary relation to the laboratory.

STEP BY STEP INSTRUCTIONS FOR USE

CLOSED TRAY IMPRESSION TECHNIQUE - DENTAL TECHNICIAN'S WORKFLOW

1

Select the appropriate abutment. Verify the dental abutment and analog are compatible with the implant diameter and type of connection.

2

After stone casting, it is recommended to inject gum simulation.

Place the abutment into the implant analog on the working model with the 1.25 mm manual screwdriver (please refer to tools & accessories IFU 720076).

Make sure the appropriate abutment was chosen and correctly tightened (not exceeding 10-15 Ncm).

3

Check occlusal clearance with antagonist jaw

4

Modify the abutment as needed. NOTE: Make sure to fixate the abutment during the lab procedures and polishing.

Optional: Use CAD/CAM technology or traditional methods to fabricate the prosthesis.

5

Chose the relevant abutment, which suits a cement-retained or screw-retained crown.

6

For cement-retained crown, fabricate a cement-retained restoration by using the abutment.

7

For fabrication of the crown / bridge on the abutments, follow the manufacturer's recommended procedure and instructions for use.

8

For screw-retained crown, please refer to the **Instruction for use**

STEP BY STEP INSTRUCTIONS FOR USE

FINAL RESTORATION PLACEMENT - CLINICIAN'S WORKFLOW

1

Clean and sterilize the dental abutment as received by the dental lab. Please refer to section "cleaning and sterilization".

2

Remove the definitive abutment and restoration from the working model.

3

Remove the healing abutment or temporary restoration from the treated area.

4

Engage the abutment properly onto the implant's connector, by using 1.25 mm prosthetic driver (manual or motor mount).

5

Verify the final abutment engagement position by taking a radiograph.

6

Tighten the appropriate abutment's screw (note below), by using a 1.25 mm driver (manual or motor mount) according to the following:

For Conical Standard (CS) Connection implants use up to 30 Ncm.

For Conical Narrow Connection (CHC) Implants use up to 20 Ncm.

Please note it is recommended to dispose of the abutment screw used by at the laboratory and use a new prosthetic screw when placing the final abutment.

7

Seal the access channel of the abutment fixing screw, by using teflon tape and a sealing preparation material (such as a resin composite).

8

For cement-retain restoration: the final crown or framework by using conventional procedures & materials after sealing of access hole situated in the abutment.

9

Make sure there is no excess cement. To inspect cement remains, it is recommended to take an X-ray.

STEP BY STEP INSTRUCTIONS FOR USE

OPEN TRAY IMPRESSION TECHNIQUE - CLINICIAN'S WORKFLOW

1

Select the appropriate open tray impression transfer, compatible with the implant connection.

2

Engage the impression transfer to the implant, ensuring the flat side is is facing bucally, and then manually tighten (up to 10 Ncm) the screw with the 1.25mm prosthetics driver.

3

To assure proper placement of the impression transfer, radiograph validation is recommended.

4

Relieve and perforate the impression tray to allow full seating of the tray and protrusion of the transfer screw, at least 5 mm above the impression tray.

5

Apply impression material (putty & wash) in the impression tray.

Apply the wash around the impression transfer.

6

Place the impression tray, so that the tip of the transfer screw is visible above the external side of the tray.

7

Before the impression material has set, clear the head of the transfer coping from excess impression material.

8

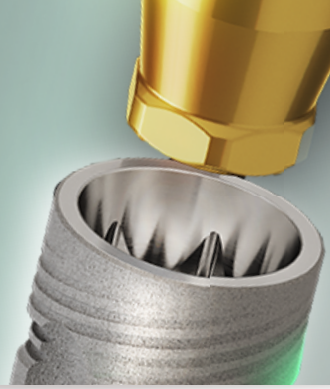
Following the setting of the impression material, unscrew the transfer screw until it disengages from the implant.

9

Carefully remove the impression tray, ensuring that the impression transfer and screw remain securely embedded in the impression material. Verify that the transfer is stable within the impression and check for any irregularities or air bubbles."

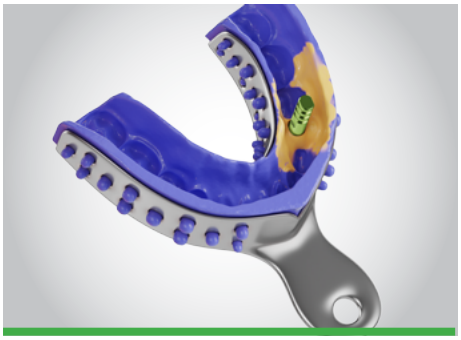
10

Engage the appropriate implant analog to the embedded impression transfer.



STEP BY STEP INSTRUCTIONS FOR USE

OPEN TRAY IMPRESSION TECHNIQUE - CLINICIAN'S WORKFLOW



11

Take impressions of the antagonist jaw and record the intermaxillary relations.

12

Place the provisional or healing abutment onto the implant.

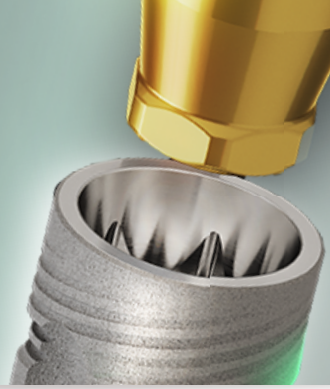
13

Send the impressions and intermaxillary records to the laboratory.

OPEN TRAY - DENTAL TECHNICIAN'S WORKFLOW

SAME AS THE CLOSED TRAY TECHNIQUE WORKFLOW AS DETAILED ON PAGE 8

conipro complete



STEP BY STEP INSTRUCTIONS FOR USE

ABUTMENT LEVEL CLOSE TRAY SNAP-ON IMPRESSION TECHNIQUE CLINICIAN'S WORKFLOW

1

Place the final abutment onto the implant. Ensure it is properly seated and tightened to the recommended torque (20 NCM for Conical Narrow Connection-CHC and 30 NCM for Conical Standard-CS) by using 1.25 mm driver.

2

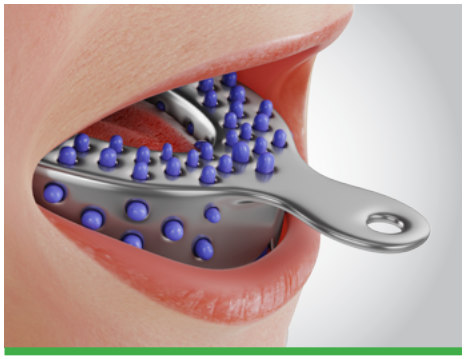
Place the Snap-On transfer to the abutment and then press it onto the abutment.

3

Select the appropriate impression tray and impression material.

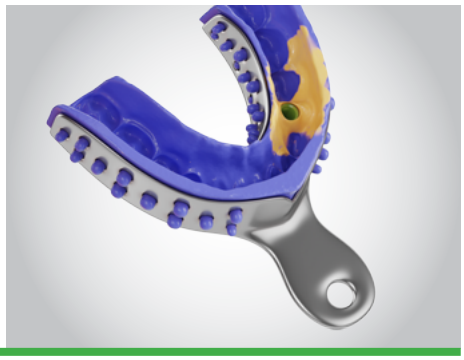
4

Apply the putty & wash in the tray, following immediately the application of the wash around the transfer coping & then fluently, place the tray in the mouth to allow the completion of the impression process.



5

Allow the material to set, then carefully remove the tray, ensuring the impression accurately & firmly captures the Snap-On transfer and the surrounding structures.



6

Inspect the impression for any defects or distortions. If necessary, retake the impression to ensure accuracy.

STEP BY STEP INSTRUCTIONS FOR USE

ABUTMENT LEVEL SNAP-ON IMPRESSION TECHNIQUE- CLINICIAN'S WORKFLOW

7

Unscrew the abutment from the implant, connect the abutment with the implant analog, place it into the Snap-On transfer located correctly in the impression and send it to the dental laboratory.

8

Attach the temporary structure that was present before the impression procedure.

ABUTMENT LEVEL SNAP-ON IMPRESSION TECHNIQUE - - DENTAL TECHNICIAN'S WORKFLOW

SAME AS THE CLOSED TRAY TECHNIQUE WORKFLOW FOR TECHNICIANS AS DETAILED ON PAGE 8

FINAL RESTORATION PLACEMENT- CLINICIAN'S WORKFLOW (POST ABUTMENT FABRICATION AT THE DENTAL LAB)

SAME AS THE CLOSED TRAY TECHNIQUE WORKFLOW FOR CLINICIANS AS DETAILED ON PAGE 6

ORDERING INFORMATION

REF.#	PRODUCT DESCRIPTION	PRODUCT CODE
3961	Closed tray transfer short-CS	NSCTT-CS
3963	Open tray transfer Long R CS	LOTT-R-CS
3964	Open tray transfer short R CS	SOTT-R-CS
3965	Open tray transfer Long AR CS	LOTT-AR-CS
3966	Open tray transfer short AR CS	SOTT-AR-CS
3925	Snap transfer CS	TLASP_CS
3910	Plastic cap for closed tray transfer package (10)	TLACAP_10
3350	Closed tray transfer -CHC	NCTT-CHC
3306	Open tray transfer short R CHC	SOTT-R-CHC
3307	Open tray transfer Long AR CHC	LOTT-AR-CHC
3308	Open tray transfer short AR CHC	SOTT-AR-CHC
3327	Snap transfer CHC	TLASP_CHC
3320	Straight Ti abutment 0.75 CHC	TLA-0.75-CHC
3321	Straight Ti abutment 1.5 CHC	TLA-1.5-CHC
3322	Straight Ti abutment 2.5 CHC	TLA-2.5-CHC
3323	Straight Ti abutment 3.5 CHC	TLA-3.5-CHC
3324	Straight Ti abutment 4.5 CHC	TLA-4.5-CHC
3920	Straight Ti abutment 0.75 CS	TLA-0.75-CS
3921	Straight Ti abutment 1.5 CS	TLA-1.5-CS
3922	Straight Ti abutment 2.5 CS	TLA-2.5-CS
3923	Straight Ti abutment 3.5 CS	TLA-3.5-CS
3924	Straight Ti abutment 4.5 CS	TLA-4.5-CS

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