# Instructions of use for CLICK & FIX Abutments®

**Reference :** IFUCLICK_rev1
**Date of Revision and Approval:** 2016.06.20



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## 1. PURPOSE

The purpose of the CLICK & FIX® Abutment system is to act as an intermediate structural element between the implant and the definitive prosthesis. The CLICK & FIX® Abutment will be used for multiple removable prosthetic reconstructions for the Phibo® TSH – BNT – TSA – TSA Advance implant systems. The purpose of the retention kit is to provide the removable structure with different levels of retention and angulation on the abutments.

## 2. VARIANTS AND REFERENCES

| Comm. ref. | Description in English |
|---|---|
| 1916 C | CLICK & FIX Abutment for TSH - BNT S2 x 1.0 mm |
| 1917 C | CLICK & FIX Abutment for TSH - BNT S2 x 2.0 mm |
| 1918 C | CLICK & FIX Abutment for TSH - BNT S2 x 3.0 mm |
| 1919 C | CLICK & FIX Abutment for TSH - BNT S2 x 4.0 mm |
| 1920 C | CLICK & FIX Abutment for TSH - BNT S2 x 5.0 mm |
| 1942 C | CLICK & FIX Abutment for TSH - BNT S3-S4 x 1.0 mm |
| 1943 C | CLICK & FIX Abutment for TSH - BNT S3-S4 x 2.0 mm |
| 1944 C | CLICK & FIX Abutment for TSH - BNT S3-S4 x 3.0 mm |
| 1945 C | CLICK & FIX Abutment for TSH - BNT S3-S4 x 4.0 mm |
| 1946 C | CLICK & FIX Abutment for TSH - BNT S3-S4 x 5.0 mm |
| 1922 C | CLICK & FIX Abutment for TSH - BNT S5 x 2.0 mm |
| 1923 C | CLICK & FIX Abutment for TSH - BNT S5 x 3.0 mm |
| 1755 C | CLICK & FIX Abutment for TSA - TSADV S3 x 1.0 mm |
| 1756 C | CLICK & FIX Abutment for TSA - TSADV S3 x 2.0 mm |
| 1757 C | CLICK & FIX Abutment for TSA - TSADV S3 x 3.0 mm |
| 1758 C | CLICK & FIX Abutment for TSA - TSADV S3 x 4.0 mm |
| 1759 C | CLICK & FIX Abutment for TSA - TSADV S3 x 5.0 mm |
| 1761 C | CLICK & FIX Abutment for TSA - TSADV S4 x 1.4 mm |
| 1762 C | CLICK & FIX Abutment for TSA - TSADV S4 x 2.0 mm |
| 1763 C | CLICK & FIX Abutment for TSA - TSADV S4 x 3.0 mm |
| 1764 C | CLICK & FIX Abutment for TSA - TSADV S4 x 4.0 mm |
| 1765 C | CLICK & FIX Abutment for TSA - TSADV S4 x 5.0 mm |
| 1767 C | CLICK & FIX Abutment for TSA - TSADV S5 x 2.0 mm |
| 8519 C | CLICK & FIX retention kit (1 unit) |




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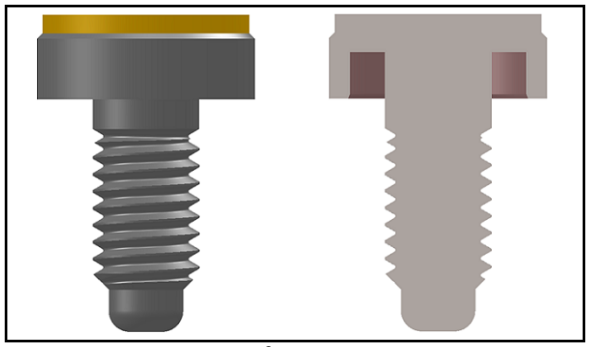

Fig. 1. CLICK & FIX® Abutment for TSH-BNT

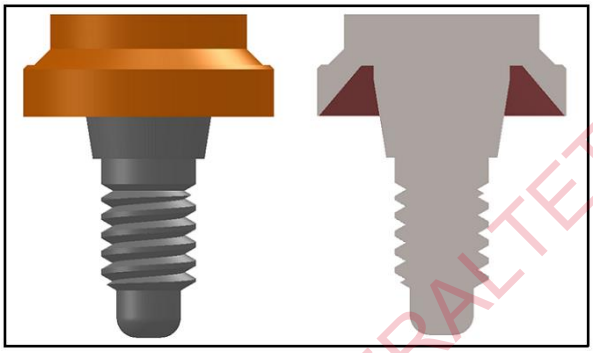

Fig. 2. CLICK & FIX® Abutment for TSA- TSA Advance

The CLICK & FIX® Abutments have different heights (indicated in table 1) so that they provide greater transgingival versatility.

The retention kit consists of a titanium cap, a silicone spacer and nylon retention inserts. To facilitate the selection of the retention inserts, different colours indicate the different retention strengths.

| Retenciones | | | | | |
|---|---|---|---|---|---|
| Gramos | 907 | 454/680 | 680 | 1360 | 2267 |
| Grados | 0º-20º | 0º-20º | 0º-10º | 0º-10º | 0º-10º |

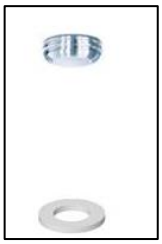

Fig. 3. CLICK & FIX retention kit




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## 3. MATERIALS

The CLICK & FIX® Abutments are made of grade 5 titanium (Ti 6Al-4V) and have a selective coating of titanium nitride (PVD-TIN). The cap in the retention kit is made of titanium, the retention inserts of nylon and the spacer of silicone.

## 4. INDICATIONS AND CONTRA-INDICATIONS

The CLICK & FIX® abutment system is designed to be used with overdentures or partial dentures, completely or partially retained by endosseous implants in the mandible or maxilla.

The self-fitting design allows the patient to easily fit their overdenture without the need for precise alignment of the attachment components.
The pivoting design of the CLICK & FIX® retention inserts provides an elastic connection for the prosthesis without any loss of retention. The nylon male retention insert remains completely in contact with the abutment socket while the titanium overdenture cap has a full range of rotational movement over the male. As such, the overdenture has certain fixed retention points, which largely minimize its movement and friction, providing a high level of comfort for the patient.

The CLICK & FIX® abutment system is not suitable when a rigid connection is required.
It is not recommended in a single implant with a divergence of more than 20 degrees.

CLICK & FIX® abutments: the reuse of CLICK & FIX® abutments is not permitted because they may contain patient contamination build-up and cause the subsequent wear of the retention bands, providing an inadequate function as well as the resulting loss of retention of the prosthesis.
CLICK & FIX® retention inserts: the reuse of the nylon CLICK & FIX® retention inserts may cause the loss of retention of the overdenture because of wear due to prior use or damage that occurs during its removal with instruments.

## 5. STERILIZATION

All components and instruments are supplied NON-STERILE.

The titanium abutments must be sterilized by autoclave prior to use following the parameters below:

It is recommended to sterilise the metal product in a steam autoclave, set on a sterilization cycle

at a temperature of 134ºC for a minimum of 6 minutes.

Do not remove the sterilized product before completing the drying cycle.

It is recommended to use sterilization controls, recording the date and expiry, as well as carrying out regular checks of the sterilization process using biological indicators.

IMPORTANT NOTE: Do not sterilize plastic products by autoclave.

Do not use dry heat sterilizers as they can damage the metal and plastic products.

## 6. FITTING THE IMPLANT ABUTMENT

1. To select the appropriate abutment, establish the type of implant and the diameter of the implant that is being used. Then measure the thickness of the tissue from the coronal rim of the implant body to the crest of the gum at the highest side of the implant site. Select the corresponding soft tissue height for the abutment so that it equals the tissue measurement exactly, or is the next highest measurement available. The exact soft tissue height for the abutment will provide the required 1.5 mm of working attachment above the level of the surrounding gum (which should not be below the tissue).
2. Once the secondary gum healing period is complete, remove the healing cap according to the instructions provided by the manufacturer of the implant system being used.
3. It is vital to remove all bone and soft tissue from the upper surface of the implant body to guarantee the complete insertion of the implant abutment.
4. The special abutment driver tip is designed to fit the internal diameter of the abutment and screw it to the implant.
5. The abutment should be tightened a final time to 30 Ncm to prevent it from unscrewing.

NOTE: the driver tip for dynamometric wrench is available.

Remember that the 1.25 mm hex torque wrench driver tip fits into the rear part of the abutment driver tip

## 7. FITTING THE RETENTION INSERTS

1. Use the retention insert extraction tool to remove the nylon retention inserts from the metal denture cap. The sharp circular edge of the end of the extraction tool should be inserted firmly until it reaches the bottom of the male so that it hooks into its internal part and pulls it at an angle out of the metal fitting. To release the nylon retention insert from the extraction tool, point it downwards and away from you and tighten the retention insert extraction tool to the main accessory again, turning it in a clockwise direction. This will activate the extraction pin and release the retention insert from the wrench tip.

2. The retention insert extraction tool is used to firmly push the retention insert into the empty metal denture cap.
The retention insert must be seated securely in place, level with the rim of the metal cap.

## 8. PATIENT CARE

A good level of oral hygiene is vital for the success of the CLICK & FIX® Abutment system. The CLICK & FIX® abutments must be cleaned carefully each day to prevent wear due to the build-up of rough plaque. Patients should be shown how to use a soft nylon toothbrush and dental floss to take care of the abutments. A non-abrasive gel toothpaste and an irrigation system is recommended to keep the cavity of the retention inserts clean.
In the clinic, use plastic instruments to remove plaque from the abutments. Do not use metal instruments that may scratch the abutment surface. Use a dynamometric wrench of 30 N-cm to ensure that the abutment is firmly in place before concluding the consultation.




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