

ORIGINAL COMPONENTS OR GENERIC PRODUCTS?

Fig. 1: The exclusive design of the golden butment linked to an intelligent screw-head/screwdriver concept allows a reconstruction to be screwed in directly at an angle of up to 30 degrees. -Fig.2: 3.0 Dynamic Titanium Base threaded into the model.-Fig.3: Inserting the round head screwdriver into the screw.-Fig.4: Allows for both straight-line threading.... -Fig.5:... and, in special cases, direct angled threading. -Fig. 6: Zirconium reconstruction threaded directly onto four implants using the 3.0 Dynamic Titanium Base®. - Fig. 7: The result here screwed into patient's mouth, allowing for hygiene considerations



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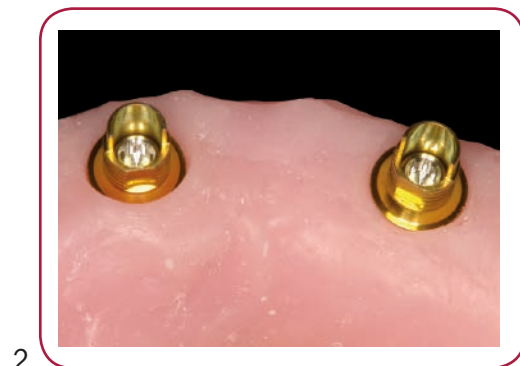
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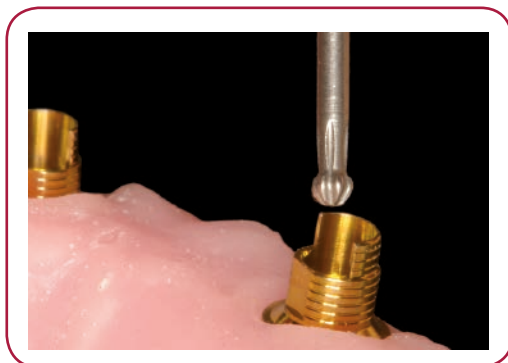
Dynamic Titanium Base, Exocad



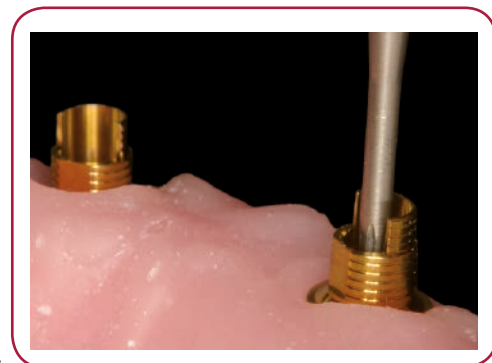
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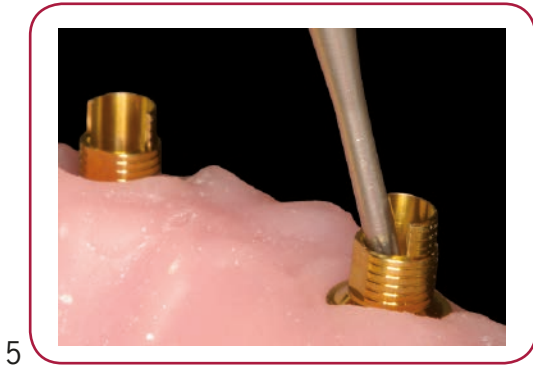
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This question is often asked: Can generic products be used as auxiliary parts in the creation of prosthetic reconstructions?

In order to avoid this sort of debate, the best option would be to use original components. However, if attention is focused on the patient and practical solutions, the preceding question would be answered with a resounding "Yes".

Generic product as alternative

Dynamic Abutment Solutions offers a wide range of prosthetic solutions for diverse implant suppliers. This article highlights the advantages in terms of implants of the 3.0 Dynamic Titanium Base from Dynamic Abutment Solutions and closely examines the processing of these components with a simple direct threaded solution for a reconstruction using zirconium.

This generic product allows the development of suitable solutions, such that when

using this alternative product absolute success is made possible.

Abutment

The abutment or golden anodised abutment features the advantage that, on thin-walled adhesive surfaces, the warm golden hue offers an excellent aesthetic contrast to the coating of the zirconium structure, whether this latter is tooth-coloured or pink. Additionally, the geometry of the connection with the implant is

also gold anodised and where gums are much thinner this helps to reduce the amount of grey in this area.

The surfaces of the titanium insert improve positioning (protection against rotation) in the zirconium structure, and the grooves ensure stable, long-lasting adhesion.

The geometry of the titanium insert connection prevents any contact with the bone. The special design of the titanium base allows for an angling of the screw access channel of up to 30 degrees! Further aspects of the assembly system that make this solution unique are the screw and the screwdriver, described below. In order to remove the screw from the base also at a 30 degree angle, the inside of the titanium base features a special configuration which, in conjunction with the special screw head design, makes for a singular system.

Screw and screwdriver

The special screw-head can also be used in conjunction with a normal screwdriver adapted to the system. However, should angles be required in the screw access channel, the 3.0 Dynamic Abutment® screwdriver must be used. This exclusive specially strengthened round head screwdriver ensures that the tightening torque is transmitted to the

screw even at an angle of between 25 and 30 degrees in the screw access channel.

Individual patient study

This case from October 2014 (DLZ-Schweiz GmbH) meant producing a partially-detachable zirconium reconstruction in four implants to later free the patient of a full prosthesis.

As this case required achieving a slight angle in the screw access channel in the area of the implanted region of 15/25, we had to recur to the new titanium base from Dynamic Abutment Solutions.

Even with a need for direct angled threading, it is possible to include the required solution using the 3.0 Dynamic Abutment® and, in fact, it was possible to satisfy the requirements presented without any difficulty. Undertaking this work efficiently and focusing on customer need entails a special challenge when establishing production abroad. It can only be achieved with a perfectly designed system and close cooperation between the onsite production and DLZ-Schweiz-Logistik. DLZ Schweiz GmbH not only takes on orders from a logistical point of view, but also through the company's innovative ideas and available networks contributes to adapting these solutions to the specific needs of the patient. As a logistics com-

pany, DLZ-Schweiz GmbH is not just devoted to importing high quality prosthetics but also to continuously optimising the creative processes. Use of this titanium base from Dynamic Abutment Solutions (unique in Switzerland) has made it possible to manufacture this high quality product on a more case-by-case basis, at the same time offering an incomparable generic product exclusively to the Swiss market.

When these extraordinary reconstructions are ordered from DLZ-Schweiz GmbH, they comply with the strictest aesthetic and precondition requirements, as well as being exceptionally good value for money.

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