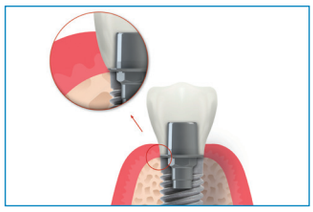
The Zfx goal:
To create the ideal emergence profile

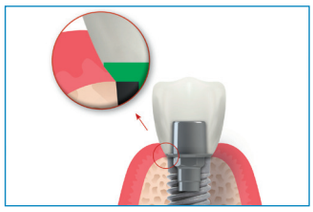
Dental implants have become a common restorative option and their use has revolutionized the science of restorative dentistry. The ultimate goal of an implant restoration is to be functional and aesthetic.

The emergence profile plays a crucial role in creating a healthy and natural looking implant supported crown. The final position and shape of the gingival margin can be influenced by changing the contour of the emergence profile and thus modifying the pressure exerted on these tissues.

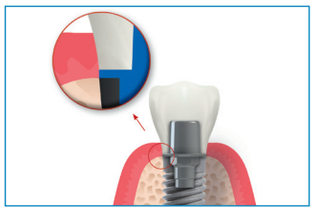
Optimal aesthetics can be achieved by utilizing the emergence profile to restore the height and shape of the peri-coronal soft tissues whilst long term success is maintained by providing a stable and healthy abutment-to-tissue relationship.



Emergence Profile



Regular Design Series



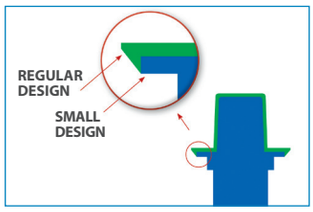
Small Design Series

The Zfx solution: Introducing the Zfx "Small Series" titanium implant interface for hybrid zirconia and CoCr Abutments

Zfx is proud to introduce our new "Small Series" range of titanium interfaces with a reduced implant level diameter, allowing for improved flexibility when designing the emergence profile of implant restorations. The height of the platform on which the final restoration is cemented has also been lowered, creating an even thinner metal margin at the base of the abutment. This has significantly reduced any shadowing showing through the soft tissue, thus enabling the creation of an aesthetically superior abutment.

These "Small Series" range of interfaces are suitable for all indications and provide much needed versatility in the overall design of an implant abutment restoration. They are particularly useful in compromised cases involving thin soft tissue biotypes, tight, fibrous tissue profiles or shallow implant placements where it has been traditionally difficult to achieve ideal results.

The "Regular Series" range of titanium interfaces are still available and are indicated for thicker soft tissue biotypes, where increased soft tissue pressure from a flared emergence profile is indicated to shape and contour the surrounding soft tissue.



Regular Design vs. Small Design

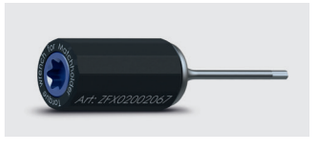
Zfx™ Evolution Matchholder

These Matchholders (scan bodies) have to be used with the laboratory scanners of the Zfx™ Evolution series. A code system is available on the Matchholders surface; this code is captured during the scan process and automatically detects and recognizes the used implant system and its platform size. Due to its high accuracy, the Matchholder is suitable for scanning implant bridges. All Zfx™ Evolution Matchholders have an integrated screw that have to be utilized with the Torque Wrench for Matchholders. The integrated screws cannot be utilized with the original key of the implant system.

Zfx™ Evolution Matchholder

Torque Wrench for Matchholders

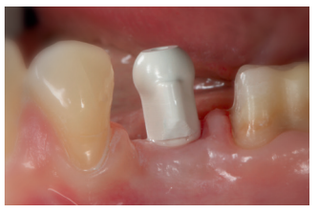
The Torque Wrench is required for tightening the Zfx™ Evolution Matchholders (scan bodies). It is at the same time, with a breadth of 1.25 mm, a universal key. The Torque Wrench also has a slipping clutch that guarantees an equal tightening torque for each match holder. Art-No : ZFX02002067



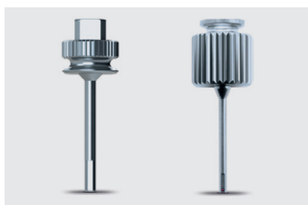
Torque wrench for Zfx™ Evolution Matchholders, Art.-No.: ZFX02002067

Zfx™ IntraScan Matchholder

These Matchholders (scan bodies) have to be used with the Zfx™ IntraScan in the oral cavity of patients. The Zfx™ IntraScan Matchholders are available in 2 different heights, H4 (height: 4 mm) or H7 (height: 7 mm). These two heights have to be used at the patient accordingly to the different implant's depth and gingiva's height. The Matchholder H7 has an additional step in order to avoid any confusion between the two heights when designing in the CAD software. All Zfx™ IntraScan Matchholder have an integrated screw, that has to be used with the Hex driver, Long Standard for Zfx™ IntraScan (Art.-No.: HXL1.25) or with the Hex driver, Long with Gemlock Retention for Zfx™ IntraScan (Art.-No.: HXLGR1.25). The integrated screws cannot be utilized with the original key of the implant system.



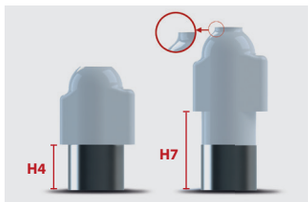
Zfx™ IntraScan Matchholder



Hex driver, Long Standard for Zfx™ IntraScan and Hex driver, Long with Gemlock Retention for Zfx™ IntraScan (HXL1 25 & HXLGR1 25)

Model analogues

The model analogues have to be used for the models, which have been digitally created with the Zfx™ Modelcreator. The model analogues are pinned through the lateral bore: In this way they are fixed in exact alignment and height. The model analogues can also be implemented in a plaster model as usual, using an impression.



Zfx™ IntraScan Matchholder

Zfx™ Pre-Abutments

With the Zfx™ Pre-Abutment Blanks Zfx provides the approprite Titanium Blanks (Great 5) with pre-manufactured connecting geometries for all common implant systems. The Pre-Abutment Processing Upgrade for the Zfx™ Inhouse5x offers the possibility to produce individual abutments in a time-saving and cost-effective manner in your own lab.

Model analogs for all current implant systems

Zfx™ Pre-Abutments