Zfx™ GenTek™

Genuine Restorations and Open Digital Workflows

Easy, fast, genuine.

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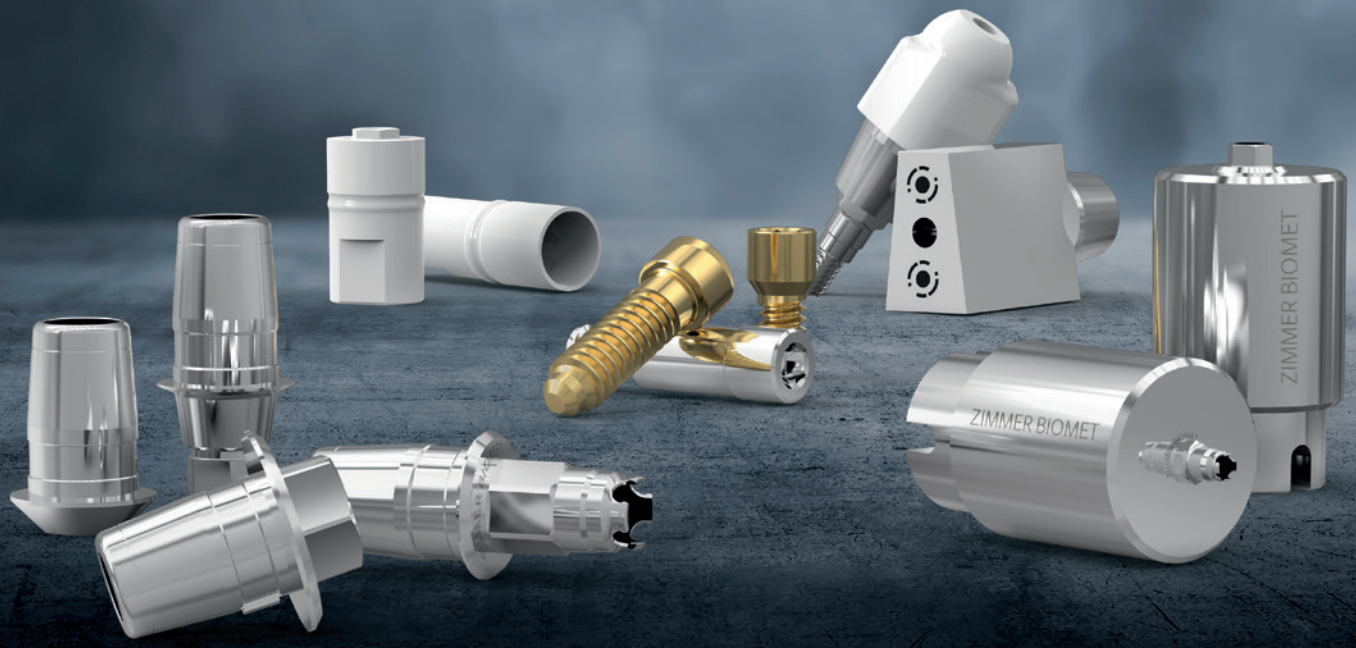
ZIMMER BIOMET GENUINE COMPONENTS

GenTek™

Zfx



Premium implants deserve premium prosthetic components. For long-term clinical success, it is essential that the interface between the implant and abutment are designed to work together. This is the only way to ensure a robust and stable interface that delivers the long-term aesthetic and physical integrity that patients demand.

The GenTek™ Restorative Components are the solution for anyone who uses genuine Zimmer Biomet Dental implants. As part of an open digital workflow, the genuine connection Ti-Bases and Pre-milled Abutment Blanks ensure the highest product quality and a precise fit through the integration of proven Zimmer Biomet Dental technologies. GenTek™ Restorative Components are available for Zimmer Biomet Dental implant systems Certain®, External Hex, TSV™/Trabecular Metal™ and Eztetic®.

FEATURES & BENEFITS

- *Genuine connection components, designed and manufactured to minimize the micro-gaps and micro-movement for a robust and stable interface between the implant and abutment*
- *GenTek™ Ti-Bases, Pre-milled Abutment Blanks and accessories that are part of a complete and open digital workflow*
- *Genuine connection Ti-Bases compatible with CEREC® blocks, meeting your Sirona® chairside worklow need*

Coming soon in 2019:
- Ti-Bases and ancillary components for Certain®, External Hex® and Eztetic® connections
- Ti-Bases for full-arch restorations
- Pre-milled Abutment Blanks for all 4 connections

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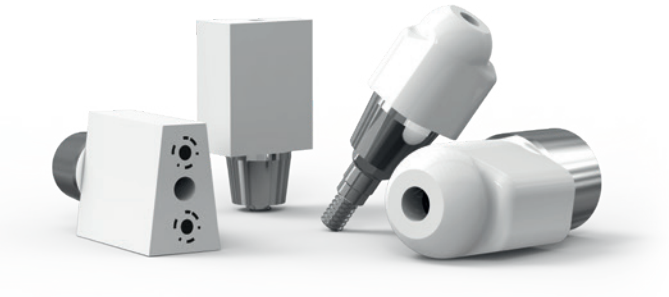
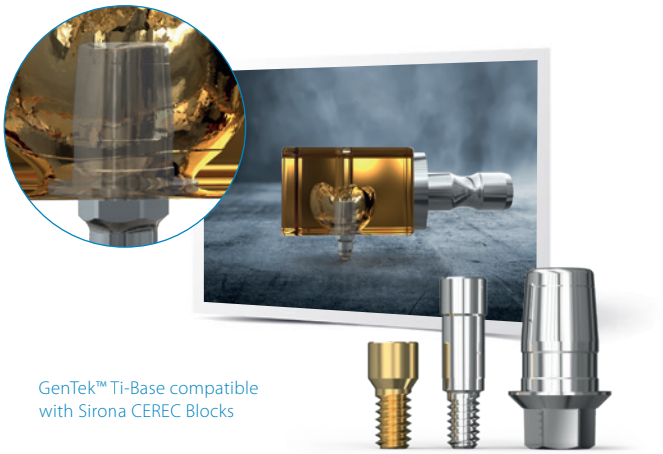




GenTek™ Ti-Base compatible with Sirona CEREC Blocks

Zfx™ GenTek™ Scanbodies

The scan is the basis of every CAD/CAM restoration. Fitting perfectly, thanks to a genuine connection, GenTek™ Scanbodies lay the foundation for a highly precise digitization of the real implant position, whether acquired with an intraoral scanner or a desktop scanner.

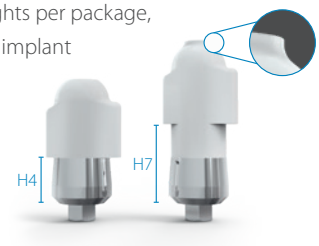
GenTek™ Desktop Scanbody main features and benefits:

- Genuine titanium connection base ensures a precise fit with the implant connection for optimal scanning results
- Body constructed of PEEK material providing a favorable surface for optical scanners, eliminating the need for scan spray, and resulting in highly accurate scanning data acquisition that contributes to a precise fit of the final prosthetic work
- Equipped with an innovative code system, it offers automatic recognition of the implant type, eliminating potentially error-prone manual work steps*
- The Zfx™ Torque Wrench is required for tightening the GenTek™ Desktop Scanbodies. It features a torque control mechanism that ensures proper tightening torque

GenTek™ Intraoral Scanbody main features and benefits:

- Genuine titanium connection base to ensure a precise fit with the implant connection
- Body constructed of PEEK material for highly accurate scanning without the need for powder
- Available in two different gingival heights per package, 4 and 7 mm, to accommodate patient implant depth and gingival height

* only for Zfx® Evolution scanner in combination with exocad software



The 7 mm H scanbody has an additional step to avoid any confusion between the two heights when designing in the CAD software.

Zfx™ GenTek™ Ti-Base

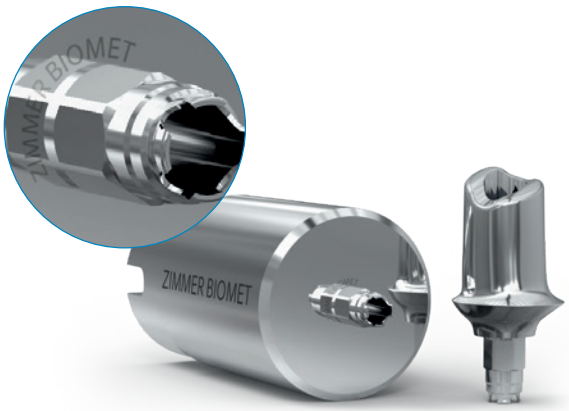
GenTek™ Ti-Bases are available with genuine connections for the following Zimmer Biomet Dental implant systems: Certain®, External Hex, TSV™/Trabecular Metal™ and Eztetic™. A genuine connection Ti-Base provides the performance you expect through Zimmer Biomet Dental's proven Friction Fit and SureSeal™ technologies when mated with a Zimmer Biomet Dental implant.

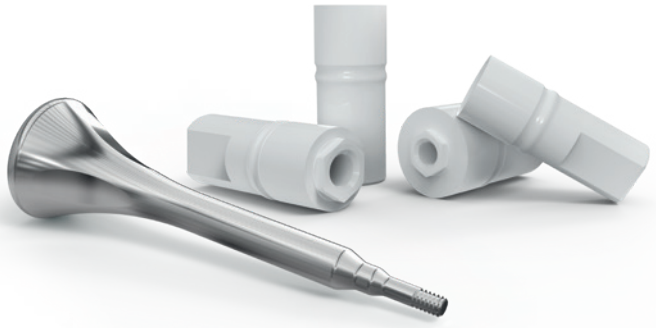
GenTek™ Ti-Base main features and benefits:

- High restorative flexibility for both screw- and cement-retained options
- Indicated for use for single-unit, multi-unit and full-arch restorations utilizing digital or traditional workflows
- 4.7 mm in height, meeting geometrical requirements for Sirona CEREC blocks for CEREC Chairside Milling and inLab CAD/CAM solutions
- Compatible with oxide, glass and hybrid ceramics and PMMA providing a variety of restoration options
- Libraries for Ti-Bases and other components available for Zfx™ CAD, 3Shape, exocad and Dentalwings CAD software
- Zimmer Biomet branded to indicate a genuine connection. Look for the "ZIMMER BIOMET" marking at the base of the ti-bases to verify authenticity.

exocad
3shape
dental wings

The Gluing Screw, provided with each GenTek™ Ti-Base, protects the screw channel from the inflow of glue into the screw channel while gluing the prosthetic restoration.





Zfx™ GenTek™ Pre-milled Abutment Blanks

The Zfx™ GenTek™ Pre-milled Abutment Blanks enable dental technicians to produce one-piece customized titanium abutments in their own laboratory without compromising connection quality and restoration performance. GenTek™ Pre-milled Abutment Blanks are available for the following Zimmer Biomet Dental implant systems: Certain®, External Hex, TSV™/ Trabecular Metal™ and Eztetic™.

GenTek™ Pre-milled Abutment Blanks main features and benefits:

- The blanks are pre-fabricated with genuine connections to ensure accurate fit and superior performance with the implant connection
- Processing flexibility: Compatible with Zfx™ Inhouse5x and all milling machines that work with Medentika PreFace® Abutment Holders
- Zimmer Biomet branded to indicate a genuine connection. Look for the "ZIMMER BIOMET" marking at the base of the ti-bases to verify authenticity.

Zfx™ GenTek™ Digital Scan Analogs

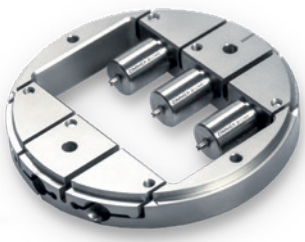
The GenTek™ Digital Scan Analogs, featuring proprietary anti-rotation functionality, is a first of its kind 3-in-1 digital analog:

- As digital analogs in 3D printed models
- As a scan body, allowing for direct scanning of a traditional patient impression eliminating the need for stone models*
- As a conventional analogs used in a stone model

The Zfx™ GenTek™ Digital Scan Analogs feature a genuine connection, replicating the position and orientation of the implant and leading to a more accurate fit and design of the restoration. A placement tool is also available, enabling the analog to be installed with ease and accuracy.

*feature only available for Zfx™ Evolution Scanner

Zfx™ Pre-Abutment Multi-Blank Holder allows the positioning and management of up to 12 blocks



GenTek™ Pre-milled Abutment Blanks are compatible with Medentika® holders. (CAM update required!)

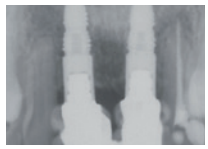
THE POWER OF GENUINE CONNECTIONS

Maintaining the integrity of the interface between the implant and abutment is imperative for implant system performance and mitigating potential clinical implications that may occur due to an inferior seal.

Imprecise fit of components may result in bacterial colonization of the internal aspect of the implant, (not a period) which may lead to soft tissue inflammation and to loss of implant integration.[4] Component misfit may also lead to screw joint failure, screw loosening, and compromised long-term prosthetic stability.[4]

Peri-implant Mucositis
The prevalence of peri-mucositis has been reported as high as 80 % of all dental patients.[1]

Peri-implantitis
The prevalence of implants experiencing peri-implantitis has been reported in excess of 12 %.[2,3]



Crestal Bone Loss
Average implant crestal bone remodeling can exceed 1.5 mm following the first year of function, leading to compromised aesthetics.[3]

Zimmer Biomet Dental's Friction-Fit Technology for TSV™, Trabecular Metal™, and Eztetic™ Implant Systems

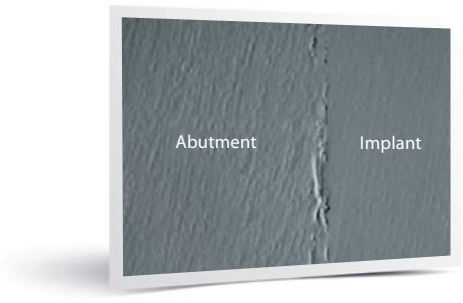
Our unique friction-fit abutments create a virtual cold weld with the implant when fully seated and tightened to the recommended torque of 30 Ncm.[5] This connection virtually eliminates rotational micro-movement, tipping and vibration-related micromovement of the abutment, which otherwise result in screw loosening and prosthetic instability.[2]

Our friction-fit connection:

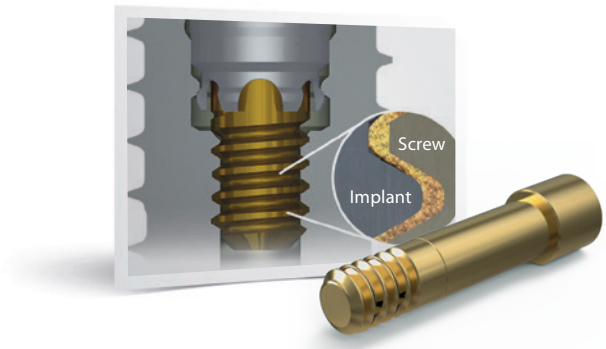
- Minimizes costly repairs and replacement
- Minimizes repeat visits to the dentist
- Shields both the abutment screw and crestal bone from concentrated occlusal forces[6,7,8] creating favorable conditions for crestal bone-level maintenance[6,7]

Zimmer Biomet Dental's SureSeal™ Technology for Certain® and External Hex Implant Systems

- SureSeal™ Technology provides superior seal integrity at the interface between the implant and abutment. This is achieved with the combi-
- nation of the proprietary Gold-Tite® Screw, Certain® Internal and External Hex connection, and precision manufacturing.
- The Proprietary Gold-Tite® Screw surface technology allows the screw to engage further, increasing the clamping force by up to 113 %, compared to standard screws[9], thereby maximizing the abutment stability[10]. A stable and tight implant abutment interface minimizes abutment micromotion and reduces potential microleakage, that can otherwise lead to inflammation associated with bone and tissue loss.[11]



SEM at 150X magnification displays the mechanical interlock in the hexagonal engagement area between the flats of the implant and abutment.



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