



Efficient. Flexible.
Genuine.



GenTek®

Genuine Restorative Components

Tapered Screw-Vent®, Trabecular Metal®,
Eztetic®, and TSX®



 **ZimVie**



GenTek Genuine Restorative Components

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 required to ensure a robust and stable interface that aims at delivering the long-term aesthetic and physical integrity that patients demand.

The GenTek Restorative Components are the solution for anyone who uses genuine ZimVie Dental Implants. As part of an open digital workflow, the genuine connection Ti-Bases¹ and Titanium Pre-Milled Abutment Blanks are aimed at ensuring the highest product quality and a precise fit through the integration of proven ZimVie Dental technologies. GenTek Restorative Components are available for ZimVie Dental Implant Systems: TSX/TSV/ Trabecular Metal, and Eztetic.





GenTek®

Components

ZimVie.com

Features and Benefits

- Genuine connection components are 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, Titanium Pre-Milled Abutment Blanks, and accessories are part of a complete and open digital workflow.
- Genuine connection Ti-Bases are compatible with CEREC® blocks, and aim to meet your Sirona® chairside workflow needs.



¹ Ti-Base also referenced as TiBase



GenTek Angulated Screw Channel Ti-Bases

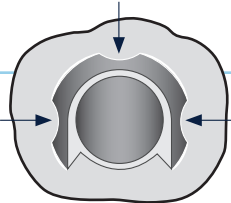
Get restorative flexibility, efficiency, and strength

The genuine connection Ti-Base with angled screw channel provides access for ZimVie Dental's Implant Systems, Eztetic, TSV, Trabecular Metal, and TSX, with multiple collar heights.

Achieve efficiency to your CAD/CAM restoration workflow with a singular Ti-Base that provides flexibility of channel angulation, collar heights, and adjustable post height options. A genuine connection Ti-Base provides the performance you expect through ZimVie Dental's proven Friction-Fit™ Technologies when mated with a ZimVie Dental Implant.

Anti-rotation feature

Three continuous anti-rotation notches over the entire length of the post ensures better centering and greatly reduces rotational movement of the crown to Ti-Base.



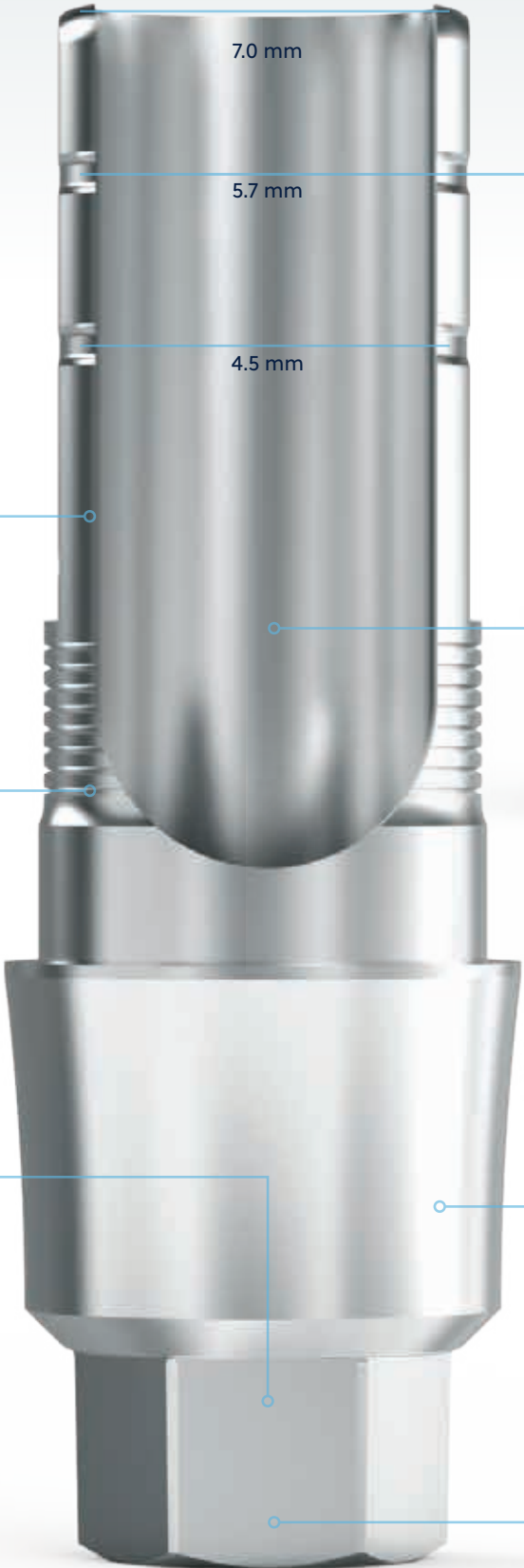
Retention grooves

For simplified cementation



Non-engaging Ti-Bases for bridges

GenTek Angulated Screw Channel Ti-Bases are also available for bridges. The non-engaging connection allows for the freedom of rotation ideal for making bridges.





Flexible post height for the body

A singular Ti-Base provides various post height options for individualized solutions.



Enabled angles for versatility¹

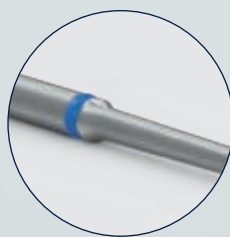
Position the angled screw channel anywhere from 0 to 25° for improved aesthetics in anterior cases and for better access in challenging inter-arch spaces.



Additional collar heights

Connections

Available for ZimVie Dental's Implant connections.

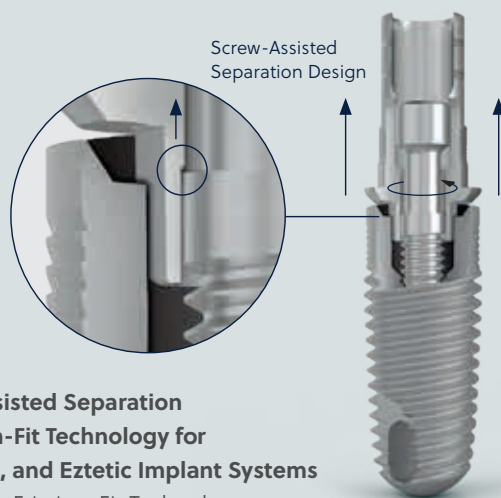


One driver for compatible ZimVie Dental Connections

Hexalobular screwdriver is available in three different lengths (21 mm, 28 mm, 36 mm). The hexalobular design allows the universal use with all GenTek Titanium Hexalobular Screws.

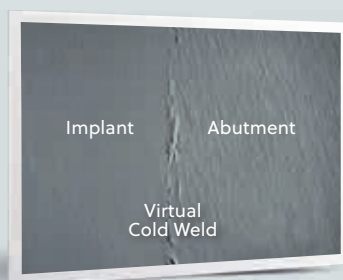
Hexalobular screwdrivers and screws

Screwdrivers now feature a hexalobular design to allow for universal use, regardless of the ZimVie Dental Implant Connection. Screwdrivers are available in three different lengths to accommodate a wide range of cases, and include an in-groove designed for dental ring placement for easy length identification.² Screws now contain a hexalobe design to be used in conjunction with the drivers.³



Patent-pending Screw-Assisted Separation Design, containing Friction-Fit Technology for TSX/TSV, Trabecular Metal, and Eztetic Implant Systems

- The design maintains our Friction-Fit Technology eliminating the use of an additional abutment removal tool on angulated prosthetic solutions.
- The screw assists in releasing the friction between the Ti-Base and the implant during the unscrewing processes.



Friction-Fit Technology

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

¹ Engaging Ti-Base: position of the channel is limited by the internal hex, every 30°. For multi-unit, no restrictions.

² Silicone rings not provided and not sold by ZimVie Dental.

³ Hexalobular screws are required for the ASC solutions.

⁴ Binon PP. The evolution and evaluation of two interference-fit implant interfaces. Postgraduate Dent. 1996;3:3-13

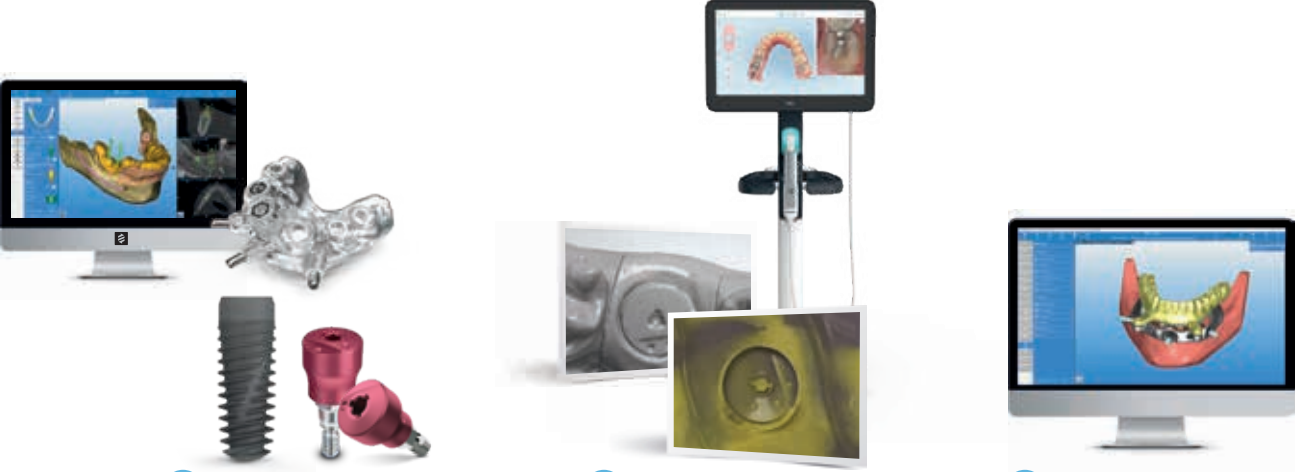


GenTek Ti-Bases and Encode® Emergence

Compatibility with Encode Emergence Healing Abutment

Angulated Screw Channel Ti-Bases with variable collar heights for final custom restoration are designed to mimic the profile radius of Encode Emergence. Encode Emergence Technology eliminates the healing abutment and impression coping or Scan Body swapping process, while delivering soft-tissue healing with a natural emergence profile. The compatible Angulated Screw Channel Ti-Bases can be designed to match the patient's anatomy using the CAD libraries, thereby producing a natural emergence profile through the soft tissue.

Encode Emergence
3-in-1
Healing Abutment
Impression Coping
Scan Body



PLACE

Place a ZimVie Dental Implant with an Encode Emergence Healing Abutment.



HEAL AND SCAN

After tissue maturation, take a digital or traditional impression of the Encode Emergence Healing Abutment and send it to your preferred lab partner.

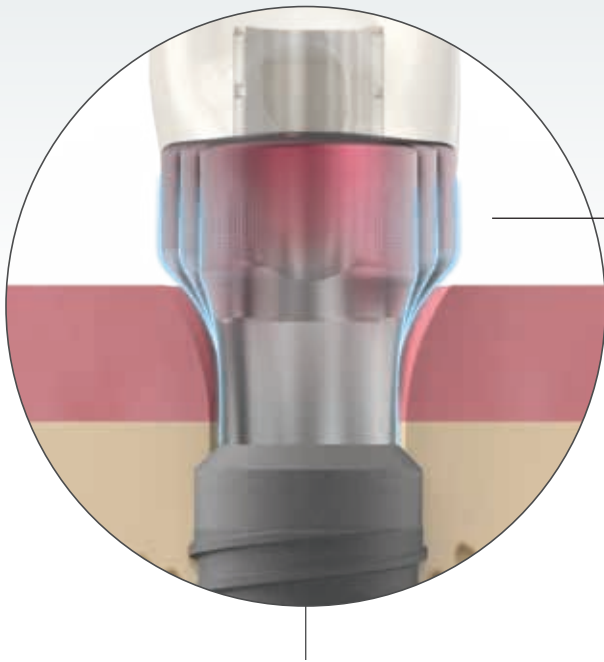


DECODE AND DESIGN

The laboratory decodes¹ the Encode Emergence Healing Abutment on RealGUIDE[®] and proceeds with the CAD design.^{2,3}



Mimic the same Encode Emergence shape all across the soft tissue



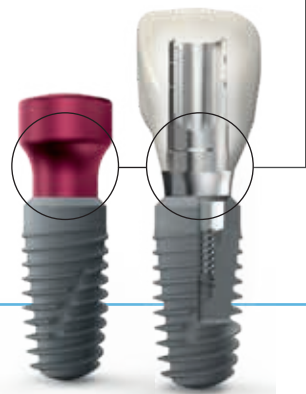
COMPATIBLE EMERGENCE PROFILE

Download FREE Libraries for Ti-Bases and other components

RealGUIDE[™]
UNIVERSAL OPEN SYSTEM

3shape[®] exocad

dental wings



RESTORE

Select between different GenTek consumables designed to match the patient's anatomy, producing a natural emergence profile though the soft tissue.

SMILE

The finished prosthesis is ready to be placed. You and your patient can enjoy a precise, aesthetic result and above all, a radiant smile!

¹ Download the free version of RealGUIDE and decode immediately your Encode Emergence Healing Abutment

² Patient Specific Abutment CAD design requires GenTek Library. GenTek Library can be downloaded for free on RealGUIDE, exocad, 3Shape, and Dental Wings CAD softwares.

³ Duplication possible between the margin of the Ti-Base and the top of the soft-tissue for RealGUIDE CAD subscribers.



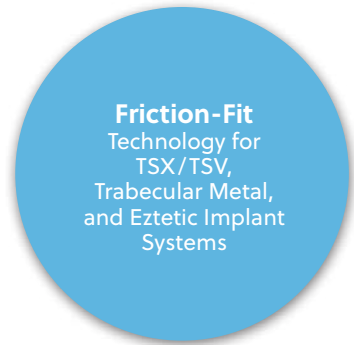
GenTek Ti-Bases Milling Block Compatible



GenTek Ti-Bases are available with genuine connections for the following ZimVie Dental Implant Systems: TSV/Trabecular Metal, Eztetic, and TSX. A genuine connection Ti-Base aims to provide the performance you expect through ZimVie Dental's proven Friction-Fit Technology when mated with a ZimVie Dental Implant.

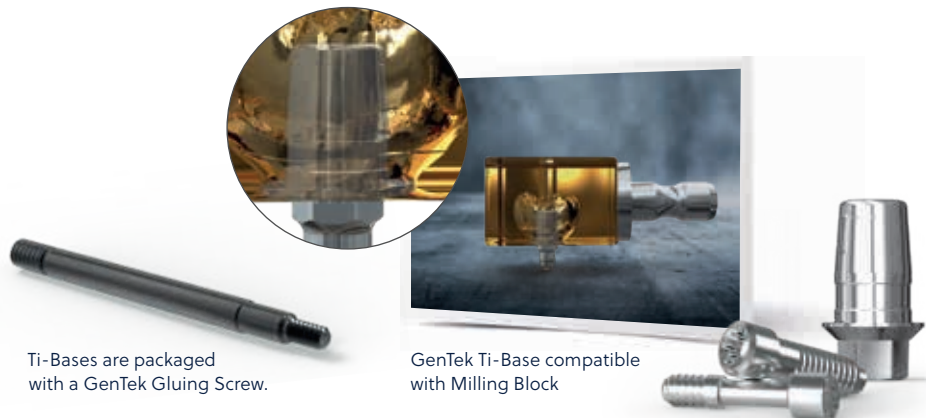
GenTek Ti-Base main features and benefits:

- 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 in-lab CAD/CAM solutions
- Compatible with oxide, glass, hybrid ceramics, and PMMA providing a variety of restoration options
- Libraries for Ti-Bases and other components available for RealGUIDE!, 3Shape, exocad, and Dental Wings CAD
- GenTek branded to indicate a genuine connection. Look for the "GenTek" marking at the base of the Ti-Bases to verify authenticity



Friction-Fit
Technology for
TSX/TSV,
Trabecular Metal,
and Eztetic Implant
Systems

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.



Ti-Bases are packaged with a GenTek Gluing Screw.

GenTek Ti-Base compatible with Milling Block

Features by Ti-Base Option



Features	GenTek Ti-Bases with Angulated Screw Channel	GenTek Ti-Bases Milling Block Compatible
Restorative Platform	TSX, TSV/Trabecular Metal, Eztetic	TSX, TSV/Trabecular Metal, Eztetic
Sizes	For all implant platforms ³	For all implant platforms ²
Angulations	Yes (up to 25°)	None
Post Height	7 mm with two cutting grooves, allows for 5.7 mm and 4.5 mm heights	4.7 mm post height with one cutting groove at 4.0 mm height
Mimics Encode Emergence Profile	Yes, 1.3 mm and 2.6 mm collar heights for TSX/TSV/Trabecular Metal Connection, 1.7 mm and 2.6 mm collar heights for Eztetic Connection	No
Implant Connection and Multi-Unit Abutment Level Ti-Bases	Implant level connections only	Yes
Ceramic Milling Block Compatible	No	Yes
Multiple Collar Heights	Yes ⁴	No
Gluing Screw	Yes	Yes
Original Screw	Yes	Yes
Libraries	RealGUIDE, exocad, 3Shape, Dental Wings	RealGUIDE, exocad, 3Shape, Dental Wings

Collar Heights

Compatible Implant System	Engaging/Non-Engaging Angulated Screw Channel Ti-Base Connection	Angulated Screw Channel Ti-Base Collar Heights (mm)	Encode Emergence Profile Height Compatibility (mm)
Tapered Screw-Vent, Trabecular Metal, TSX (3.5 mm and 4.5 mm platform)	Engaging (Hexed)	0.3, 1.3, 2.6	1.3, 2.6
	Non-Engaging (Non-Hexed)	0.3, 1.3	1.3
Eztetic, TSX (2.9 mm platform)	Engaging (Hexed)	1.0, 1.7, 2.6	1.7, 2.6
	Non-Engaging (Non-Hexed)	1.0, 1.7	1.7

¹ GenTek is currently available in RealGUIDE for prosthetic-driven surgical Planning functionality. CAD Design functionality will be available soon.

² Milling block compatible Ti-Bases for TSV Implant Systems.

³ For TSV Implant Systems, 6.0 mm Ti-Base is not offered.

⁴ TSV connections – 0.3 mm, 1.3 mm, and 2.6 mm Eztetic connection collar heights would be 1.0 mm, 1.75 mm, and 2.6 mm.

GenTek Titanium Pre-Milled Abutment Blanks

The GenTek Titanium 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 Titanium Pre-Milled Abutment Blanks are available for the following ZimVie Dental Implant Systems: TSX/TSV/Trabecular Metal and Eztetic.



GenTek Titanium Pre-Milled Abutment Blanks main features and benefits:

- The blanks are pre-fabricated with genuine connections to ensure an accurate fit and superior performance with the implant connection
- Processing flexibility: Compatible with a variety of ZimVie Pre-Abutment Blank Holders and all milling machines that work with Medentika PreFace® Abutment Holders
- GenTek branded to indicate a genuine connection. Look for the "GenTek" marking at the base of the Titanium Pre-Milled Abutment Blanks to verify authenticity



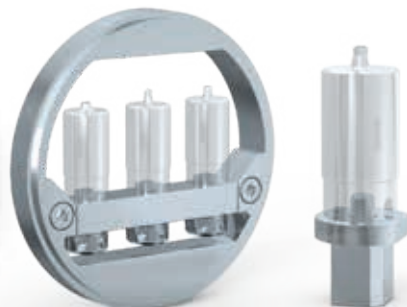
The patient-specific abutment and crown can be manufactured with restorative components.



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



GenTek Titanium Pre-Milled Abutment Blanks are compatible with Medentika holders. (CAM update required)



GenTek Pre-Abutment Standard Holder and Titanium Pre-Milled Abutment Adapter for GCER Holders.



GenTek Scan Bodies and Digital Analogs

GenTek Scan Body¹

A perfect restorative design starts with a perfect scan in every CAD/CAM restoration. GenTek Scan Bodies lay the foundation for a highly precise digitization of the implant position, whether acquired with an intraoral scanner or a desktop scanner.



The GenTek Scan Body design incorporates:

- A genuine titanium connection base to ensure a precise fit with the implant connection for optimal scanning results
- A slim asymmetric design to fit in narrow interproximal spaces
- The straight design on the titanium base of the Scan Body does not exceed the implant platform thereby mitigating the need for bone profiling when the implant is placed no deeper than 3 millimeters sub-crestal
- Dual functioning for intraoral and desktop scanning
- The body is constructed of PEEK material to provide a favorable surface for optical scanners
- The Zfx Torque Wrench is recommended for tightening the GenTek Scan Bodies when used for scanning in the lab. It features a torque control mechanism that ensures proper tightening torque on the lab model
- Requires 1.25mm hex driver



Slim design of the Scan Body is designed for tight spaces and minimizes the need for bone profiling due to the straight design.



A placement tool enables the analog to be installed with ease and accuracy.

GenTek Digital Analogs

GenTek Digital Analogs provide an accurate fit for design of the definitive restoration. GenTek Analogs are designed with:

- A genuine connection, for a precise fit with the restorative components
- Two anti-rotation notches and a vertical stop to ensure proper orientation with reduced movement
- A snap in feature and fixation screw for analog positioning and locking all degrees of freedom
- A ZimVie color code for an easy identification of the restorative platform size

¹ Scan Body also referenced as Scanbody

For more information, visit [ZimVie.com](https://www.zimvie.com)

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