



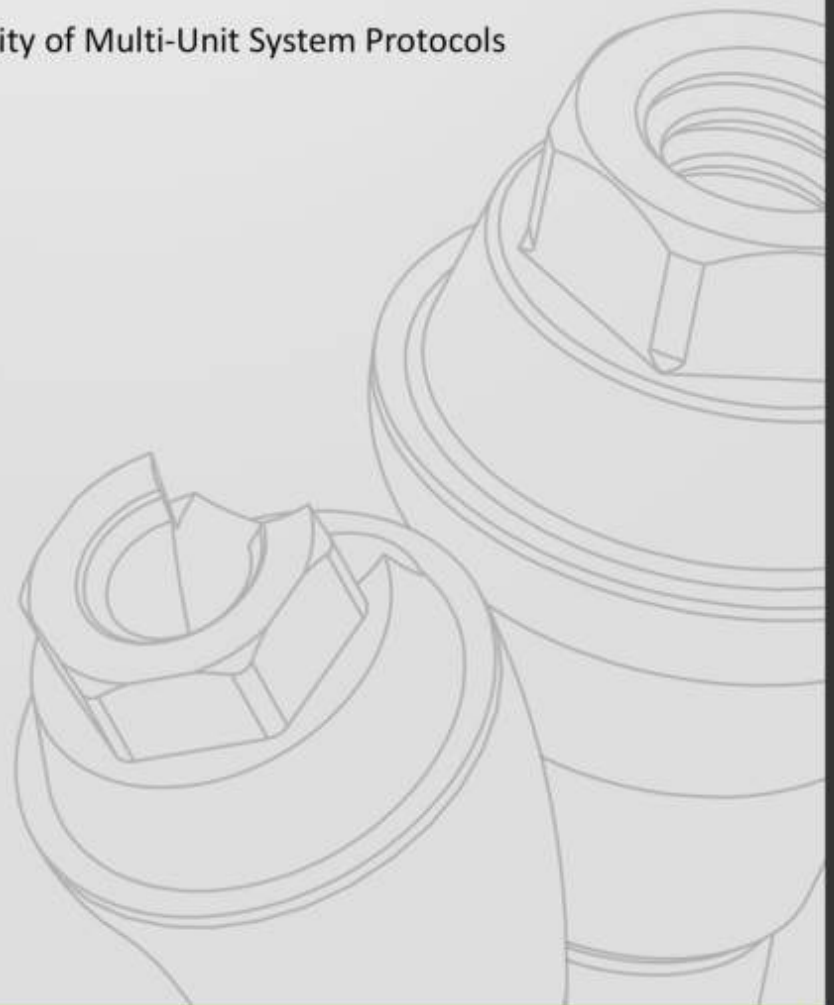
MULTI-UNIT LÖSUNG

ENG
MULTI-UNITS



CONTENTS

- 02**Bio3 IMPLANTS COMPANY. Bio3 Multi-Unit Abutment
- 03**Features and Core Benefits of the Restoration System
- 05**Straight Multi-Unit abutments features
- 06**Angled Multi-Unit abutments features (17°/30°)
- 08**Multi-Unit prosthetic parts: Single construction
- 09**Multi-Unit prosthetic parts: Fixed bridge construction
- 10**Multi-Unit prosthetic parts: CAD/CAM solution
- 10**Softwares: Digital libraries
- 12**Straight Multi-Unit installation
- 13**Angled Multi-Unit installation
- 15**Variability of Multi-Unit System Protocols





Bio3 IMPLANTS is a German manufacturer of dental implants, founded in 2013 in Pforzheim, Germany. We develop and produce advanced solutions in the field of dental implantology, providing clinicians with reliable and high-quality products.

Bio3 implants, prosthetic components, and instruments—including surgical and guided kits—undergo rigorous quality control at every stage of production, ensuring durability and precision.

Bio3 mission is to provide clinicians with convenient and dependable solutions while giving patients confidence in their treatment outcomes. We are committed to advancing implantology by integrating innovative technologies and considering specialist feedback to create the best possible products.

1 **Bio3 MULTI-UNIT ABUTMENT**

Bio3 Multi-Units — The Ultimate Solution for Stability and Comfort
Bio3 Multi-Units are high-precision prosthetic components designed to provide a reliable foundation for securing dental prostheses to implants. These multi-units are engineered to meet the highest quality standards, ensuring ease of use for clinicians and optimal comfort for patients.



2 **EXTERNAL HEX**

Designed to accommodate a broad range of solutions.

Provides the flexibility to expand treatment possibilities, making the system more adaptable to various clinical scenarios while significantly enhancing ease of use and convenience for clinicians.



FEATURES

AND CORE BENEFITS OF THE RESTORATION SYSTEM

- Single constructions
- Bridge constructions
- CAD/CAM Solutions
- Burnout Solutions
- Casting Solutions

1 SINGLE CONSTRUCTIONS

The fixation of a multi-unit abutment on an implant for the subsequent restoration of a single tooth. The positioning of the superstructure is achieved through the external hexagon, aligning the multi-unit with the collar and the internal hex, onto which the crown is placed.



2 BRIDGE CONSTRUCTIONS

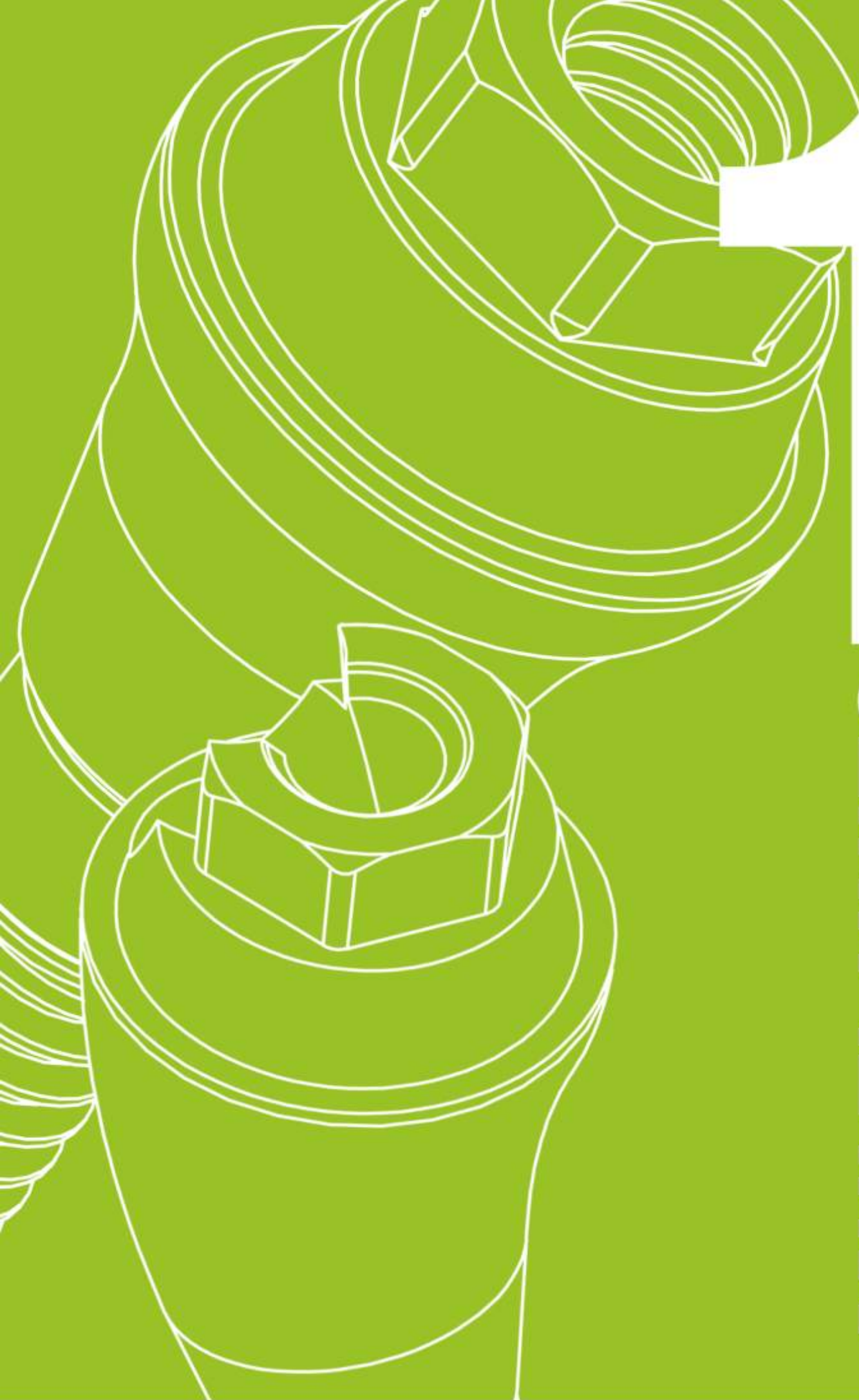
The fixation of multi-units for a bridge structure occurs without positioning on the hex. The entire superstructure attached to the multi-unit for the bridge does not have an internal hexa. This approach is often used in All-on-4 or All-on-6 cases, where a critical factor is the proper distribution of load in full edentulism to prevent implant overload and bone resorption.



3 CAD/CAM SOLUTIONS

A digital design and manufacturing solution. This approach involves scanning the jaw and using software (Exocad/Exoplan, 3Shape, etc.) to create precise, biocompatible, and aesthetically refined restorations, ensuring predictable outcomes in implantology.





MULTI-UNITS

STRAIGHT

MULTI-UNIT ABUTMENTS FEATURES

0°

2 Versatility of the Universal Platform

Designed for securing both indexed and non-indexed components to accommodate various clinical cases.

1 Gingival Height

The available gingival height for our multi-unit abutments is 1, 2, and 3 mm.

The selection of a multi-unit abutment is determined after measuring the patient's gingival height.

3 Implant Connection

The installation of a straight multi-unit abutment into the implant is performed using the WF-MU (Wrench for Multi-Unit) with a maximum torque of 20-25 Ncm.



ANGLED

MULTI-UNIT ABUTMENTS FEATURES

17°/30°

1 Gingival Height

The available gingival height for our multi-unit abutments is 1, 2, and 3 mm. The selection of a multi-unit abutment is determined after measuring the patient's gingival height.

2 Versatility of the Universal Platform

Designed for securing both indexed and non-indexed components to accommodate various clinical cases.

3 Fixation of the Angled Multi-Unit

The fixation is performed using the HF-MU (Holder for Multi-Unit). This device serves as a transfer tool for the placement and subsequent fixation of the multi-unit abutment in the patient's oral cavity, using a standard prosthetic screwdriver (SU9/18). Additionally, it functions as a guide for directing the abutment shaft, ensuring proper positioning with a maximum torque of 25 Ncm.





PARTS

?

MULTI-UNIT

PROSTHETIC PARTS

SINGLE CONSTRUCTION

- 1 Titanium sleeve
(for screw retained
abutment) *



GAVAA

Designed to connect the multi-unit abutment with the prosthetic structure, featuring grooves for precise height adjustment.

- 2 Burn-out plastic sleeve *



Plastic VAAS

A disposable component for Low Wax casting, ensuring precise adaptation and fit of the structure.

- 3 Temporary PEEK sleeve *



TGAS1

A PEEK sleeve used for temporary fixation of abutments during the interim phase of prosthetic treatment.

The internal hex in sleeves for single constructions prevents rotation and ensures accuracy and stability during prosthetics, providing proper alignment and secure fixation.

IMPRESSION PARTS

- 4 Transfer



SAES15

A tool for transferring the abutment position from the patient's mouth to the model, ensuring accurate alignment during the prosthetic process.

- 5 Laboratory Analog



IAEN

A replica of the multi-unit abutment, made at the implant level and used for creating models in the dental laboratory. It is universal for both single-tooth and bridge constructions and available for CAD/CAM libraries.

- 6 Healing Cap



GIMA

- 7 Healing Cap Wide



GIMA-W

A component used to shape the soft tissue around the multi-unit abutment, ensuring the proper gingival contour and optimal fit for the final restoration.

*Screw is included



MULTI-UNIT

PROSTHETIC PARTS

BRIDGE CONSTRUCTION

1 Titanium sleeve



GIMV

Designed to connect the multi-unit abutment with the prosthetic structure, featuring grooves for precise height adjustment.

2 Base for Out-Burnt Abutment Hex



CSMU

A component used in the Low Wax casting technique for fabricating custom prosthetic structures, supplied with a cobalt-chromium base.

3 Burn-out plastic sleeve



Plastic TCMS

A disposable component for Low Wax casting, ensuring precise adaptation and fit of the structure.

4 Temporary PEEK sleeve



TGMN1

A PEEK sleeve used for temporary fixation of abutments during the interim phase of prosthetic treatment.

The internal hex in sleeves for single constructions prevents rotation and ensures accuracy and stability during prosthetics, providing proper alignment and secure fixation.

IMPRESSION PARTS

5 Transfer



SOKM15

A tool for transferring the abutment position from the patient's mouth to the model, ensuring accurate alignment during the prosthetic process.

6 Laboratory Analog



IAEN

A replica of the multi-unit abutment, made at the implant level and used for creating models in the dental laboratory. It is universal for both single-tooth and bridge constructions and available for CAD/CAM libraries.

HEALING CAPS

7 Healing Cap



GIMA

8 Healing Cap Wide



GIMA-W

A component used to shape the soft tissue around the multi-unit abutment, ensuring the proper gingival contour and optimal fit for the final restoration.

*Screw is included



MULTI-UNIT

PROSTHETIC PARTS

CAD/CAM SOLUTION

1 Scan Abutment



STP MU

Scan abutment for MU - a digital component used for intraoral or laboratory scanning to accurately capture the position and orientation of the multi-unit abutment for CAD/CAM prosthetic design.

2 Titanium platform (for bridge construction)



TPMU

Titanium Platform for Multi-Unit CAD/CAM – a titanium base designed for digital prosthetic workflows, ensuring a precise connection between the multi-unit abutment and the restoration. Compatible with CAD/CAM systems for accurate and efficient fabrication.

*Screw is included



MULTI-UNIT SOFTWARES

exocad

exoplan

 **blenderforDental**

 **3DIEMME**
BIOMAGING TECHNOLOGIES

3shape 

NEMOTEC 
DIGITAL DENTISTRY

dicomLAB

 **BlueSkyBio**
DIGITAL

ImplaStation



3

INSTALLATION

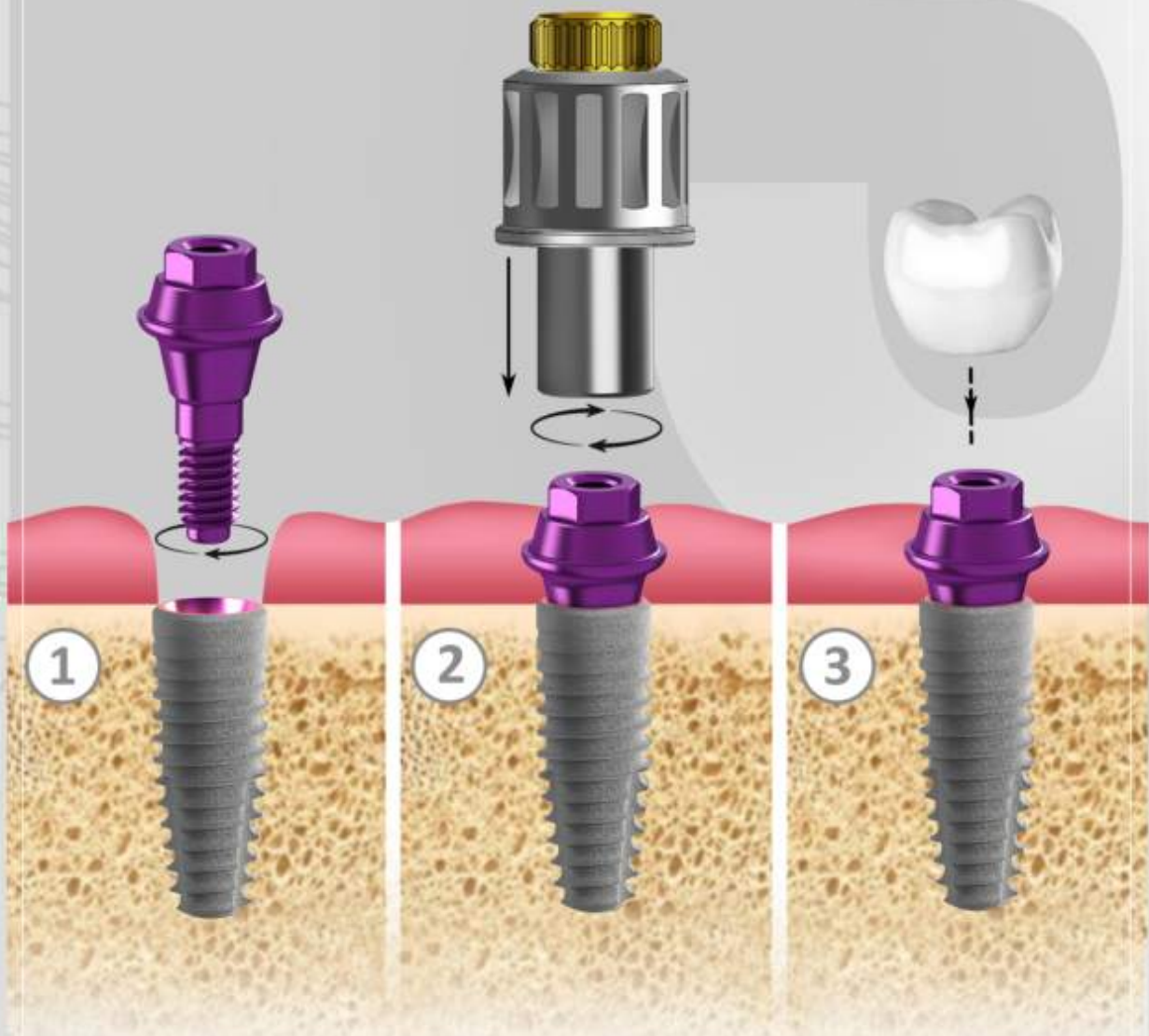
MULTI-UNIT

INSTALLATION

STRAIGHT MULTI-UNIT ABUTMENT

After the implant integrates into the jaw, a straight multi-unit abutment is placed using the WF-MU (Wrench for Multi-Unit), which functions both as a transfer tool and a screwdriver for secure fixation with a maximum torque of 25 N-cm.

Once the abutment is firmly secured, a crown with a built-in sleeve is placed.

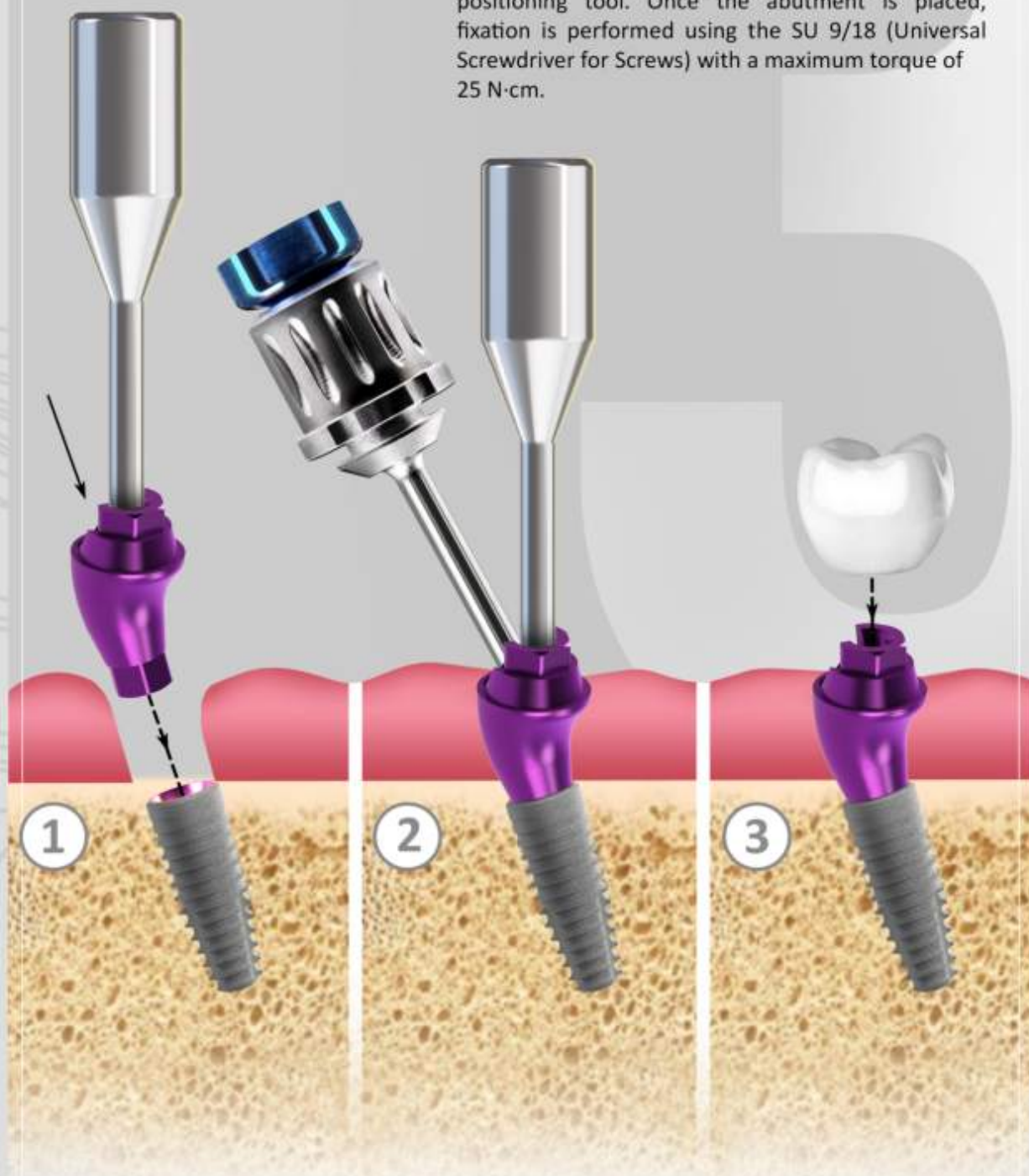


MULTI-UNIT

INSTALLATION

ANGLED MULTI-UNIT ABUTMENT

After implant integration, the HF-TBM (Holder for MU M1.6) can be used to transfer the angled multi-unit abutment to the patient's jaw, also serving as a positioning tool. Once the abutment is placed, fixation is performed using the SU 9/18 (Universal Screwdriver for Screws) with a maximum torque of 25 N·cm.



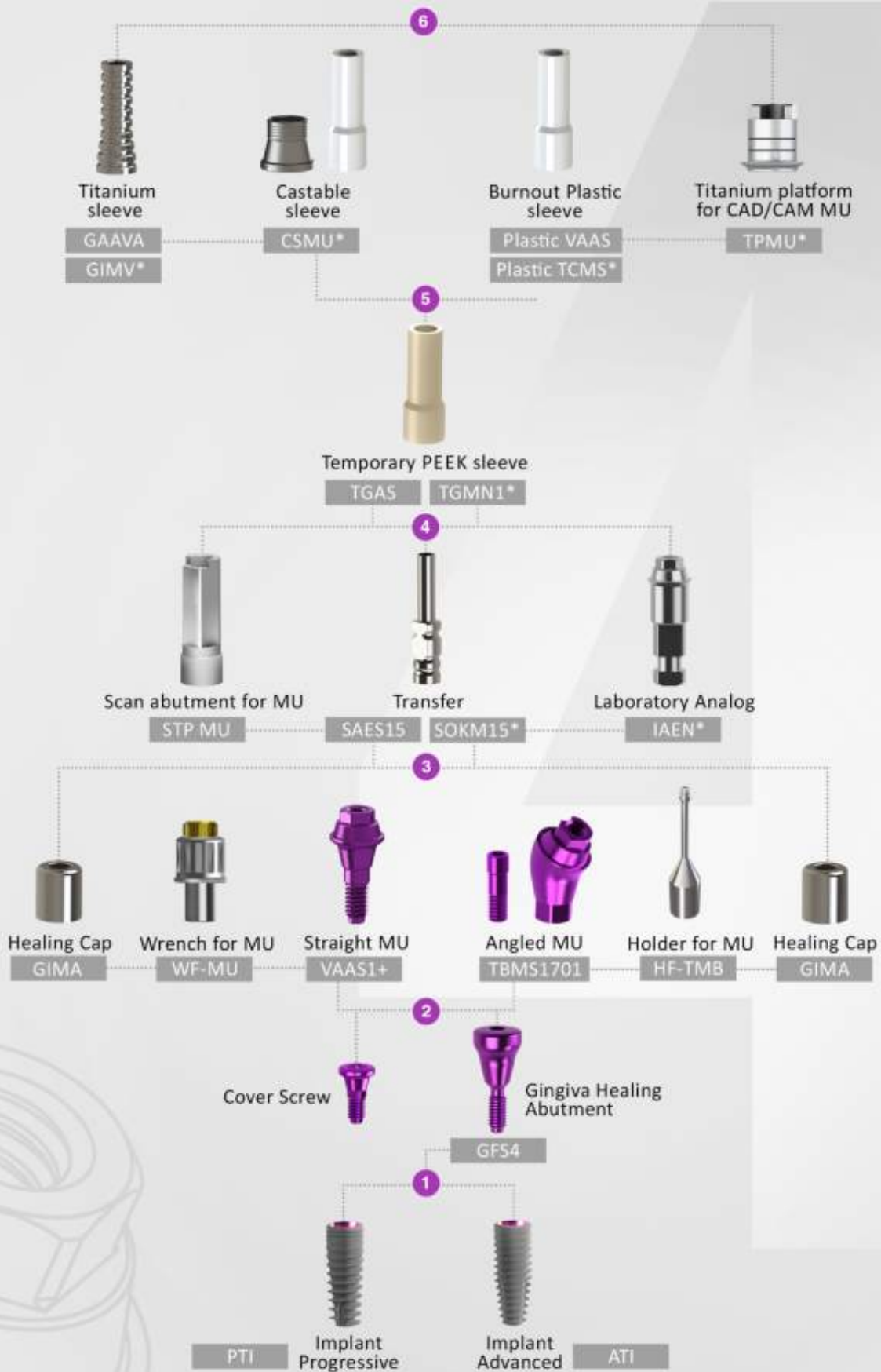


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**MULTI-UNIT
SYSTEM PROTOCOLS**

VARIABILITY

OF MULTI-UNIT SYSTEM PROTOCOLS



*For FIXED BRIDGE construction



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website

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