

## Applied raw materials

**BIONIKA demonstrates the best qualities of Grade 2- Grade 4 titanium used in implant manufacturing for dental implantology according to the ISO 5832-2 ASTM F67 standard.**

Due to its adequate purity the biocompatibility is exceptionally good as well as it is provided with exceptional solidity.

Initially, we and other implant manufacturers preferred the higher purity titanium but due to solidity reasons nowadays almost every implant is made of Grade 4 or other alloyed titanium in the world.

In all cases of implant abutments, alloyed, high strength Grade 5 titanium is applied according to the ISO 5832-4 ASTM F136 standard. The titanium applied according to the standard is provided with exceptional biocompatibility, it is almost risk-free.



Our abutments can also be made from Co-Cr material, and for plastic heads we use POM or PEEK materials.

Almost all professionals recognize that the implant's success is best determined by the practice of the implantologist, as well as surgical conditions, carefully maintained hygiene and patient abilities.

**BIONIKA Medline Kft • 3516 Miskolc, Tégla u. 29.  
www.bionika.hu • info@bionika.hu  
mobil: +36 70 362-9235**

## About the company

Bionika Medline Kft. was established in 1989 by private individuals as a family-owned Hungarian company.

We have a 35-year-experience in the field of medical instruments and implant development, production and trade.

BIONIKA as a researcher, developer, manufacturer and distributor is present in dentistry, oral surgery, traumatology, orthopedics and rehabilitation in the medical-professional areas.

According to our objective and perception, we attach great importance to the word „BIONIKA“, which marks a scientific thinking on the boundaries of biology, technology and electronics that combines these three areas in our researching and developing work.

**Clinical and technological experiences:** The continuous process, combination and utilization of clinical and technological experiences in development contributes to our success, up to the production base. Here you will find the best solutions and constructions suited to customer needs, which are under continuous development.

**Development:** The owners of BIONIKA put great emphasis on continuous product and technological research and development. Our products are developed in close collaboration with doctors and engineers, enabling us to ensure the world-class quality and practical utilization.

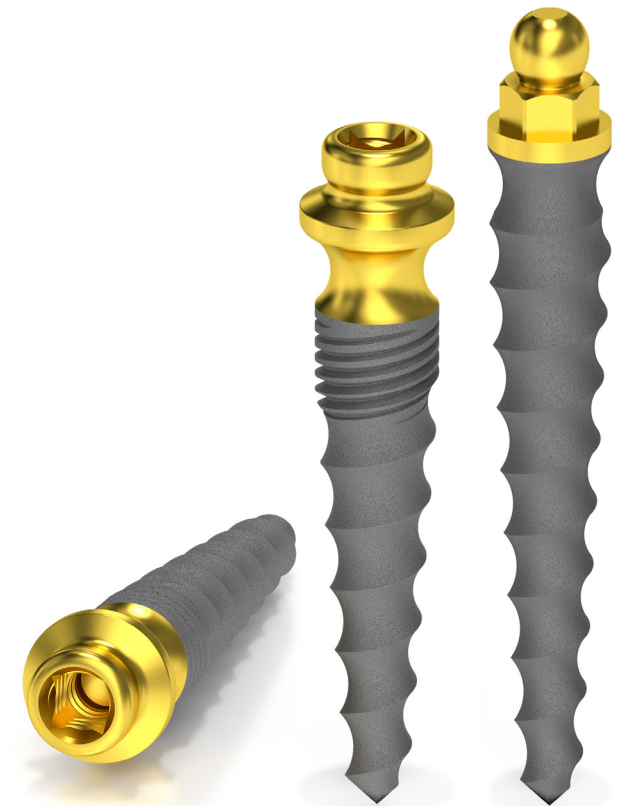
**Quality:** The quality of the products expected by our customers is guaranteed by design, manufacturing and quality management according to the harmonized European Union laws. The BIONIKA Medline Kft. is operated according to the EN ISO 9001 and the EN ISO 13485 quality management system. Our products are provided with CE marks.

**Guarantee:** After inserting the implant - the risk of the ossification process is assumed by BIONIKA, independently of cause and effect relationship – exchange guarantee is ensured within one year after the purchase. Otherwise, we provide a long-term, 10-year guarantee for our products.

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# Microlock & SLIM BG Implant Systems



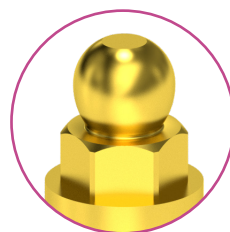
## The characteristic properties of **Microlock** and **Slim BG** systems

Due to the distinctive characteristics of the Implant System, this is one of the most suitable solution not only for average hard but in the case of softer bone structures as well. Meeting the minimum invasive requirements, the surgery can be performed by small exploration, possibly transgingivally. Due to the same characteristics it is the most optimal construction for immediate loadness.

The Microlock system is made with a head design according to the new denture fixation, the body of the implant, which is inserted into the bone, is the same with the spherical patent head of the Slim BG system, but the implant is microstriated under the neck part.



Microlock connection



Slim BG ball-headed connection

### Range of sizes

Microlock	length (mm)	
Ø 2,8 mm	12	14

Slim BG	length (mm)	
Ø 2,8 mm	12	14

Dimensions may vary according to individual requirements.

#### Spirally microstriated surface

The microstriated spiral surface functions as a significant load bearing element

- Cycloid thread profile
  - High thread pitch
  - Low thread depth
- Conical geometry adjusted to the natural tooth root

• Radius-shaped thread edge

• Thin, pointed, conical ending

# Microlock



# Slim BG

