

## The sizes available of the Hybrid mini implant system abutments



	Denomination	Sulcus height (mm)
1	Ball head, micro	1 2 3 4 5 6 7
2	Ball head, normal	0 0.5 1 2 3 4 5 6 7
3	Ball head, normal v2	1 2 3 4 5 6 7
4	Locator head, screwable	0 0.5 1 2 3 4 5 6 7
5	Locator head, screwable v2	1 2 3 4 5 6 7
6	Locator head, through-bolted	1 2 3 4 5 6 7
7	Multi-unit head, screwable	1.5 2 3 4 5 6 7
8	Multi-unit head, screwable v2	1.5 2 3 4 5 6 7
9	Multi-unit head, through-bolted	1.5 2 3 4 5 6 7
10	Multi-unit head, 20° oblique	1.5 2 3 4 5 6 7
11	Multi-unit head, 30° oblique	1.5 2 3 4 5 6 7

The great advantage of the HYBRID solution is the replacement possibility of worn out ball heads and locator heads.

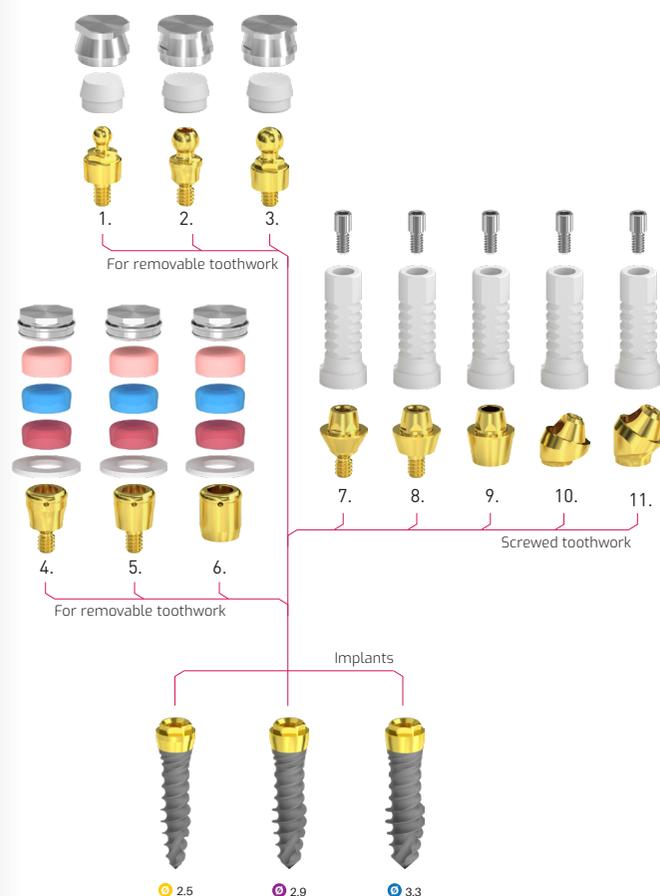


Dimensions can be varied according to the unique demands.

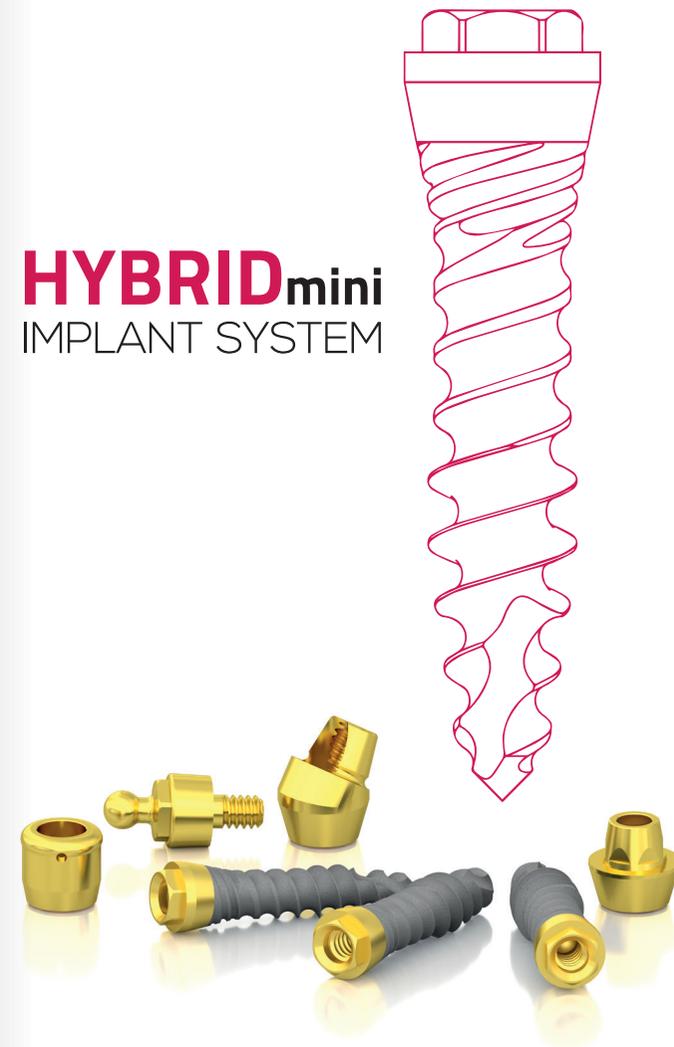
## The functional structure of the Hybrid Implant System elements

It offers a versatile, complex, multifunctional solution customized to your needs for cases solved by mini implant tooth augmentation with removable abutments. This is single and biphasic, that can be loaded immediately, extra thin, normal and extra shortly round-headed, locator headed, conical, multiunit headed Hybrid implants offer a wide range of applicational possibilities for, plastic, zirconium, titanium and cobalt-based toothworks.

Grade 4 titanium is applied for the implants and Grade 5 titanium is applied for the abutments. Our abutments can also be made from Co-Cr material, and for plastic heads we use POM or PEEK materials.



## HYBRIDmini IMPLANT SYSTEM



There are more and more patients with a small bone supply, who naturally have the needs of regaining the 100% function of their teeth. BIONIKA has developed the Hybrid implant system, which enables them to produce toothworks for versatile usage.

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## 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.

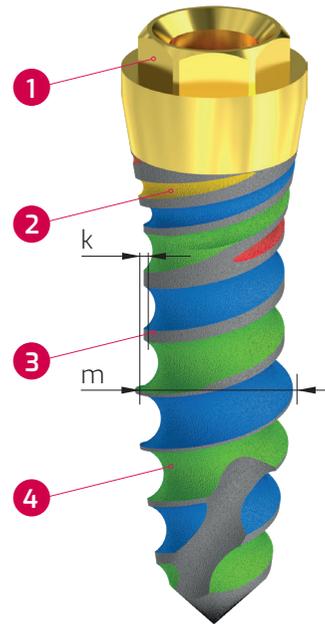
**Clinical and technological experiences:** The continuous process, combination and utilization of clinical and technological experiences in development contributes to our success, up to the production base. Here you will find the best solutions and constructions suited to customer needs, which are under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

## The distinctive characteristics of the Hybrid mini implant



### The geometry of the HYBRID mini implant

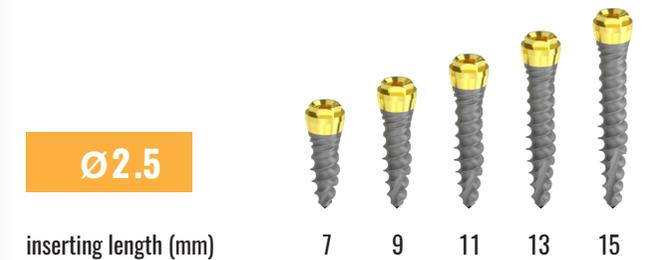
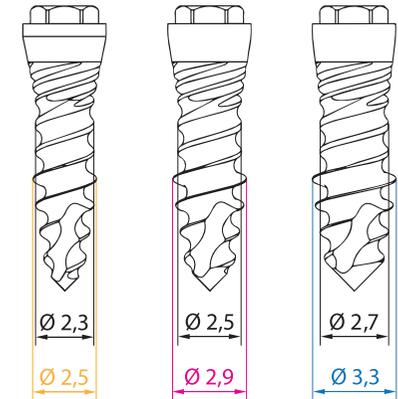
The structural parts of the HYBRID implant body

1. It is a Brönemark type hexagonal cross section head with inner cone and screw thread.
2. Micro thread structure with a four paragraphed cortical cord thread.
3. Double paragraphed normal cord thread body part for dynamic force reduction.
4. With increased contour and increased thread depth, the cycloid thread structure with primary stability, self-cutting edge and anti-rotation groove.

The main characteristics of the BIONIKA Hybrid Implant System is that, each element of the screw thread has a radius-shaped, continuously variable cross-section according to the natural analogy.

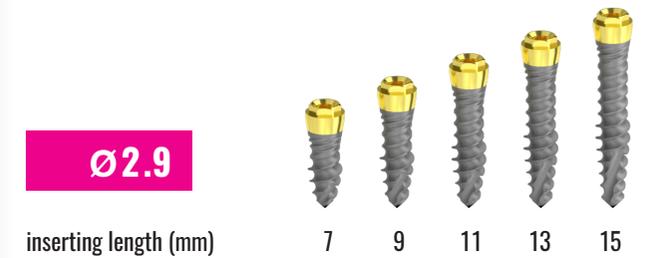
The „3“ cord thread screw section is a smaller diameter with „k“ than the „m“ thread formation of the apical part providing the primary stability with the sharper cycloid thread.

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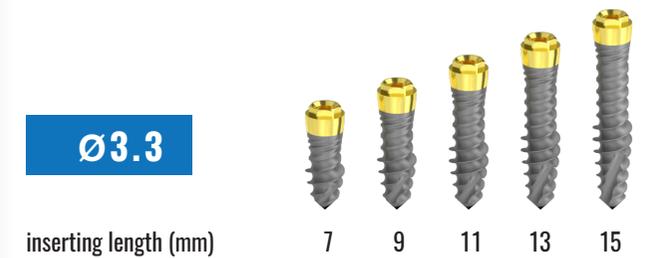
inserting length (mm)

7 9 11 13 15



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