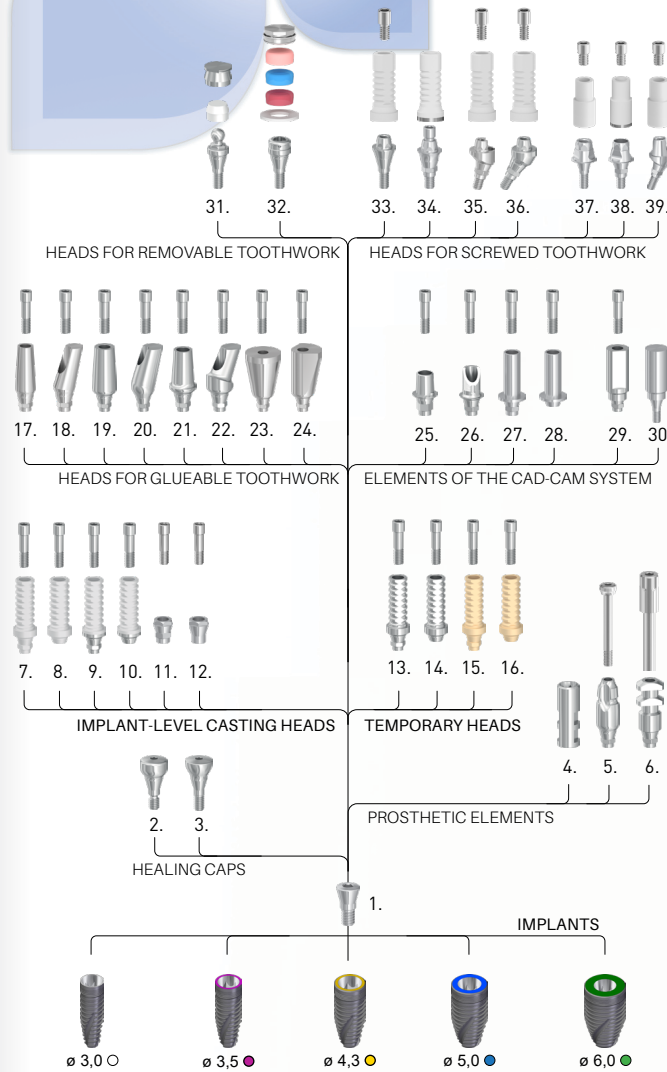


Denomination	Sulcus height (mm)	Head height (mm)
1 Locking screw	-	-
2 Healing cap, narrow	2 4 6	
3 Healing cap, anatomical	2 4 6	
4 Technical implant		12
5 Sampling head for closed spoon		11
6 Sampling head for open spoon		11
7 Castable plastic head, positioned		12
8 Castable plastic head, non-positioned		12
9 Co-Cr, metal based cast head, positioned		12
10 Co-Cr, metal based cast head, non-positioned		12
11 Interface, positioned		
12 Interface, non-positioned		
13 Temporary head, positioned		12
14 Temporary head, non-positioned		12
15 Temporary head, positioned, PEEK		12
16 Temporary head, non-positioned, PEEK		12
17 Narrow head, straight		9
18 Narrow head, 15°, 25° oblique		9
19 Universal head, straight		11
20 Universal head, 15°, 25°, 35°, 45° oblique		11
21 Anatomical head, straight	2 4 6	
22 Anatomical head, 15°, 25° oblique	2 4 6	
23 Trapezoidal head 15°, 25°, 35°, 45°		9 11 13
24 Delta head 15°, 25°, 35°, 45°		9 11 13
25 Titanium base		5
26 Press ceramic base		5
27 Tube head, positioned		9
28 Tube head, non-positioned		9
29 Scanbody head, through-bolted		12
30 Scanbody head, screwable		12
31 Ball head	0,5 1 2 3 4 5 6 7	
32 Locator head, straight	0,5 1 2 3 4 5 6 7	
33 Multi-unit head, straight	0,5 1 2 3 4 5 6 7	
34 Multi-unit head, through-bolted	0,5 1 2 3 4 5 6 7	
35 Multi-unit head, 20°, 30° oblique	1 2 3 4 5 6 7	
36 Multi-Compat head, 20°, 30° oblique	1 2 3 4 5 6 7	
37 Multi-unit SR head, straight	0,5 1 2 3 4 5 6 7	
38 Multi-unit SR head, through-bolted	0,5 1 2 3 4 5 6 7	
39 Multi-unit SR head, 20°, 30° oblique	1 2 3 4 5 6 7	

Sizes can be varied according to unique requests.

## The functional structure of the ACTIVAL system elements

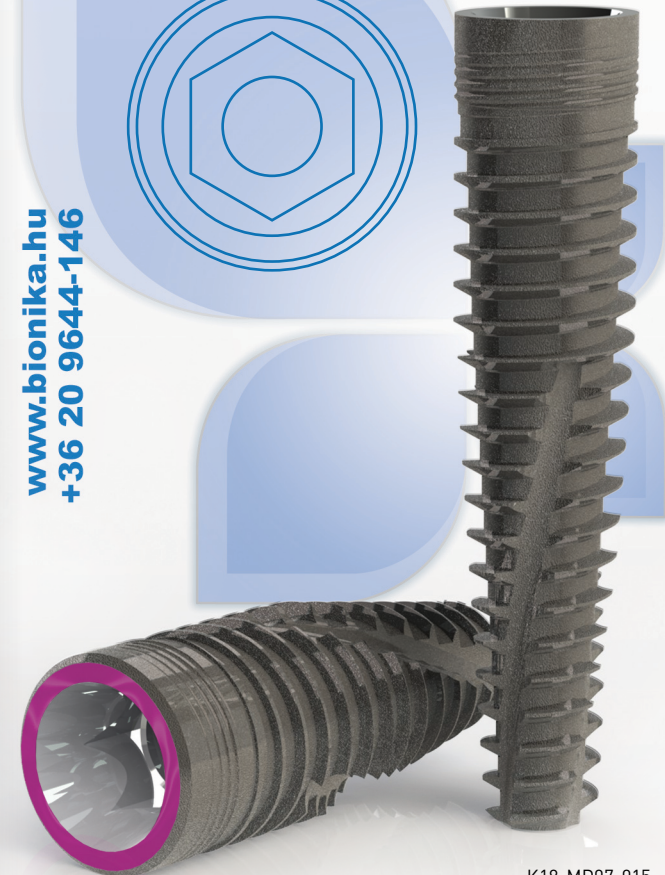


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# ACTIVAL

## DENTAL IMPLANT SYSTEM

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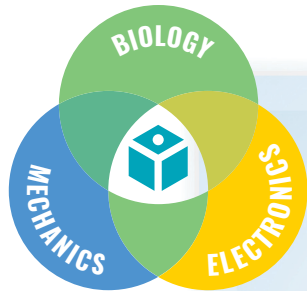


K18-MD07-015

The products in the publication are only illustrations, they do not cover the exact appearance and shape of the product.

## COMPANY

BIONIKA Medline Orvostechikai Kft. was founded in 1989. We have a 30-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.

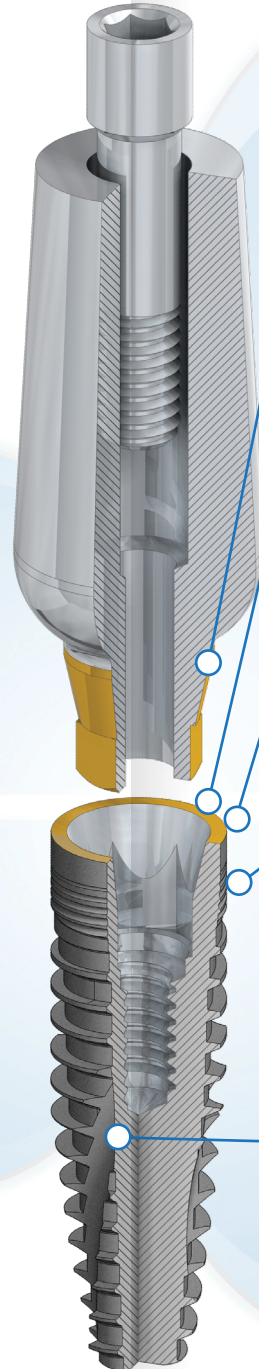


**Clinical and technological experiences:** The continuous process, combination and utilization of clinical and technological experiences in development contributes to our success, up to the production base. Here you will find the best solutions and constructions suited to customer needs, which are under 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, 5-year guarantee for our products.



## ACTIVAL System

Grade 4 quality titanium is applied in the case of the implants and Grade 5 quality titanium is applied in the case of the abutments. Our abutments can be made of Co-Cr material and POM or PEEK materials are applied in the case of plastic heads.

### Connection: Cone & hex

This complex cone and hexagonal prism geometry provides the most perfect well-proven fixation in engineering practice. It also provides micromotor-free power transmission and favorable conditions for the accurate open or closed spoon sampling. It superimposes the powers deep right into the implant. Simple, proven solution for over 20 years.

### Bone Level:

The chances of the implant persistency are significantly improved by inserting the upper edge of the implant at the cortical level or below (from 0,5 to 1 mm) which is proven by surgical experiences on the long run.

### Platform switching:

The diameter of the abutment is smaller than the outer part of the implant which is connected to the bone. The bone can move to the upper edge of the implant, this way the soft tissue closes upon the ingoing aperture and the implant's connecting surface of the bone nest, covering, insulating that as a sealing ring.

### Spirally microstriated cortical surface:

The multi-paragraphed microstriated spiral surface can function as a significant weight bearing element connected to the cortical, as in the case of the primer and in the later phases as well. This self-closing thread structure due to the cycloid cord thread geometry helps facilitating dynamic force convection and ensures micromotor-free condition for fast insertion.

### Anatomical root form, self-compressional, self-tapping thread:

The Actual implant is adjusted to the anatomical tooth form. Due to the conicity, thread pitch, self-closing and self tapping shaping of the implant screw thread, it has a small degree of bone-compacting effect.

Thus, there is an option for immediate loadness of the implant as needed as a result of the high primer stability. A triple spiral channel can be found in the threaded mantle of the implant with a bone collecting and anti-rotation function. The end of the screw is provided with a radius-shaped, reduced thread height design, which enables direction corrections during screwing.

# ACTIVAL

## Sizes available of the ACTIVAL implant

diameter (mm)	inserting length (mm)				
	8	10	11,5	13	16
ø 3,0					
ø 3,5					
ø 4,3					
ø 5,0					
ø 6,0					

