

Raw materials

BIONIKA demonstrates the best qualities of Grade 4 titanium applied in the case of manufacturing BIONIKA Hand and Leg surgical products according to the ISO5832-2 standard and Grade 5 titanium, which is applied according to the ISO5832-3 standard for dental implantology. The titanium applied according to the standard is provided with exceptional biocompatibility, it is almost risk-free. Due to its adequate purity the biocompatibility is exceptionally good as well as it is provided with exceptional solidity. The Hand and Leg surgical plates are made of Grade 4, the screws are made of Grade 5 quality titanium.



About the company

BIONIKA Medline Orvostechnikai Kft. is a member of the Swedish-Hungarian group of companies. It was founded in 1989. The owners of the company are Swedish and Hungarian citizens. We have a 33-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.

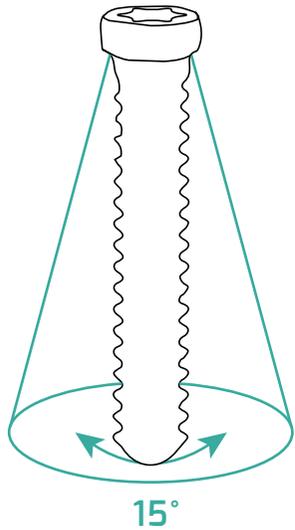
Guarantee: After inserting the implant - the risk of the ossification process is assumed by BIONIKA, independently of cause and effect relationship - exchange guarantee is ensured within one year after the purchase. Otherwise, we provide a long-term, 10-year guarantee for our products.



SPECIAL ANGULAR-STABLE CANNULATED LOCKING SCREWS



Properties of Special Angular-stable Cannulated Locking Screws



The Angular-stable Locking screws varies by 15° effective angle for all direction.

The inner edges of the guide hole are rounded at the head and bottom outlets to prevent damage to the through device.

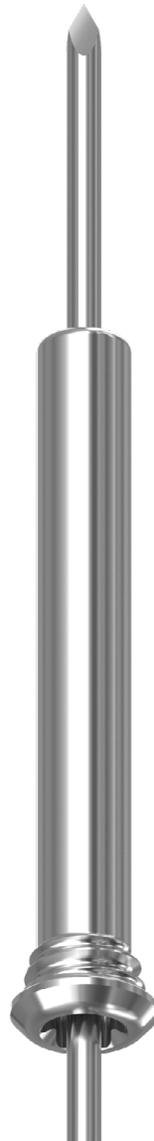


Head output



Lower output

Advantages of Special Angular-stable Cannulated Locking Screws



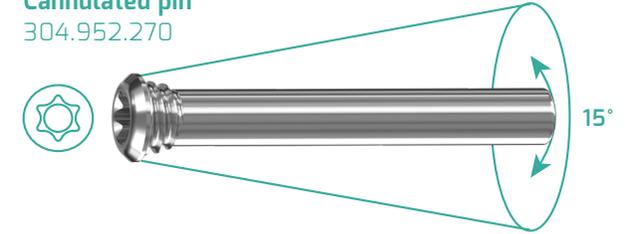
The Special Angular-stable Cannulated Locking Screw expands the surgical options for the traumatologists. So far unused surgical solutions are available by the fact that the BIONIKA pin and screw with a guide hole allows fastening for significant force transmission in the event of special wrist fractures. The special pin-screw angle stable head-to-plate connection is the same as for the normally used cannulated screw.

By using a staple wire of appropriate thickness, significant stability can be achieved in a bone-shattered area without a holding function. With a staple wire, the cannulated screw can be driven in more precisely than with a solid screw. The support sleeve is designed so that the rigid or flexible device can be pushed through without hindrance. The inner edges of the guide hole are rounded at the head and bottom outlets to prevent damage to the through device.

The solution is generally applicable to most branded constructions, provided that it can be properly adapted to the stress requirements, in particular the stability of the special pin and head. We have successfully adapted this solution to several systems (eg BioLike, Stryker, and Jinlu systems). The ingenuity and creativity of the doctor performing the surgery play a significant role in the success of the surgical technique.

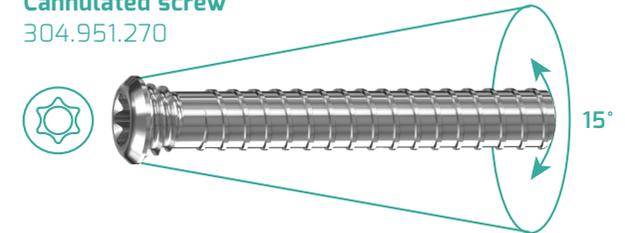
Dimensions of Special Angular-stable Cannulated Locking Screws

Cannulated pin 304.952.270



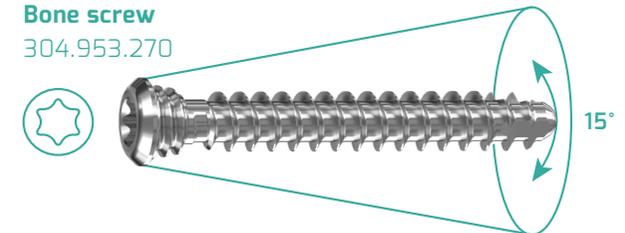
diameter	length											
	8	10	12	14	16	18	20	22	24	26	28	30
ø 2.7	•	•	•	•	•	•	•	•	•	•	•	•

Cannulated screw 304.951.270



diameter	length											
	8	10	12	14	16	18	20	22	24	26	28	30
ø 2.7	•	•	•	•	•	•	•	•	•	•	•	•

Bone screw 304.953.270



diameter	length											
	8	10	12	14	16	18	20	22	24	26	28	30
ø 2.7	•	•	•	•	•	•	•	•	•	•	•	•