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.

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

BIONIKA

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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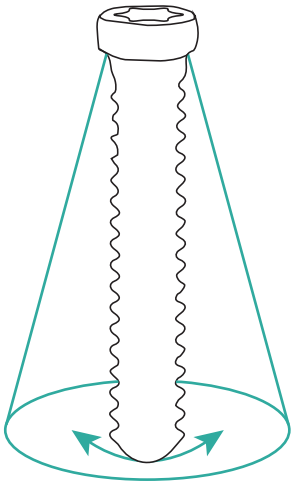
CANNULATED LOCKING SCREWS

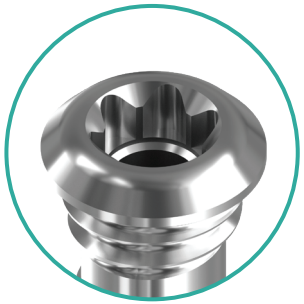
T-MD02-097-v01-220610-EN

Properties of Cannulated locking screws



The Cannulated 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

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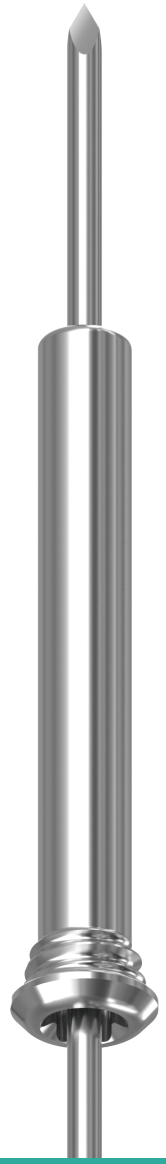
Advantages of Cannulated locking screws



The 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.

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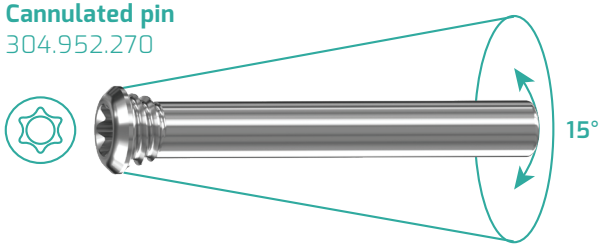
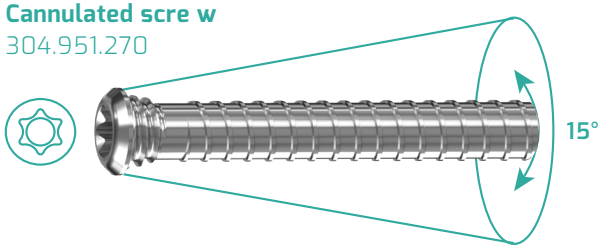
Dimensions of Cannulated locking screws

Cannulated pin
304.952.270



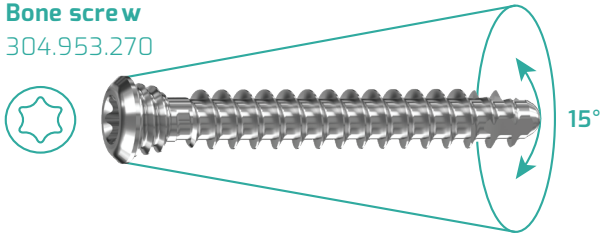
diameter	length											
	8	10	12	14	16	18	20	22	24	26	28	30
ø 2.7	•	•	•	•	•	•	•	•	•	•	•	•

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	•	•	•	•	•	•	•	•	•	•	•	•