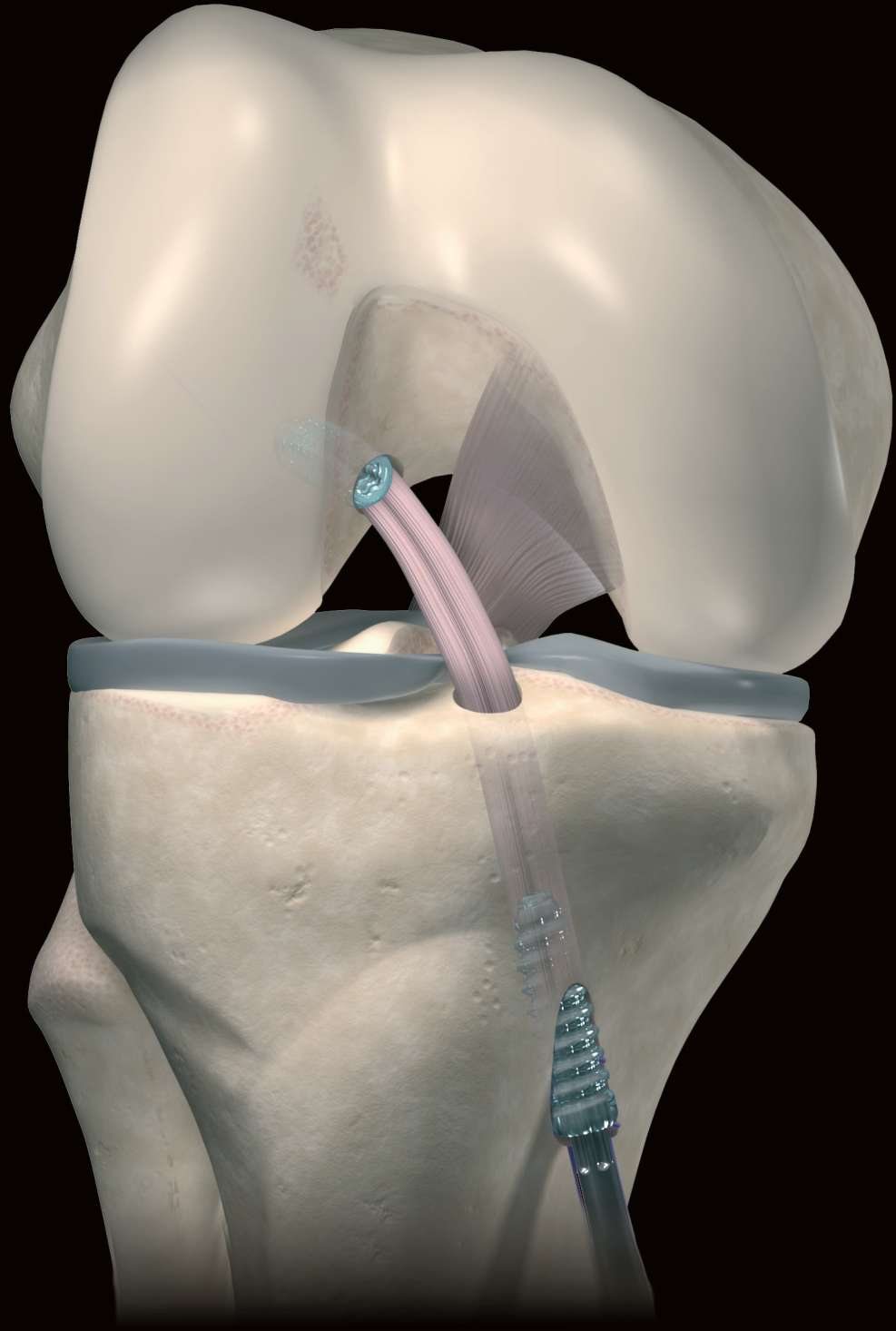


Inion Hexalon™

Inion Trinion™

INION

Inion Hexalon™ – Biodegradable Interference Screw
Inion Trinion™ – Biodegradable Meniscus Screw



Bio-advantage with Inion[®] Technology

Core Technology

Inion's core technology is founded on the biological and mechanical principles of natural bone healing. The company's expertise is based on several decades of experience with biodegradable polymers and exemplified by the proprietary Biodegradable Inion[®] Polymers.

Biodegradable Inion[®] Polymers are made by blending rigid and elastic polymer components to create implants with optimal strength, malleability and degradation profile to meet their specific clinical requirements.

Biodegradable Inion[®] Polymers used for the Inion Hexalon[™] and Inion Trinion[™] implants are made of L-lactide, D,L-lactide and trimethylene carbonate (TMC).

A key benefit of biodegradable Inion[®] polymers is that they degrade in the body and are metabolised into carbon dioxide and water. The rate of degradation is predictable and tailored to provide initial stability and then, as the implant loses its strength, to progressively transfer the load to bone to stimulate regeneration.

Demonstrated Clinical Performance

Biodegradable Inion Hexalon[™] screws have a long history of safe clinical use with excellent results. More than 150.000 Inion Hexalon[™] screws have been used since 2002 with a complication frequency of <0,1%.

Safe Degradation Profile

Biodegradable Inion[®] Polymers used in Inion Hexalon[™] and Inion Trinion[™] implants have been tailored for safe biodegradation. Based on *in vitro* testing, they retain most of their strength for min. 12 weeks and gradually lose their strength thereafter. Biodegradation takes place within two to four years.

Excellent Visibility During Insertion

The use of color provides excellent visibility during insertion and also assists in establishing the screw's final position. The pigment, added in trace amounts, has been routinely used in biodegradable sutures for decades.



References

1. Järvelä T, Moisala A-S, Sihvonen R, Järvelä S, Kannus P, Järvinen M (2008) Double-bundle anterior cruciate ligament reconstruction using hamstring autografts and bioabsorbable interference screw fixation: prospective, randomize clinical study with 2-year results. Am J Sports Med 36: 290-297.
2. Järvelä T, Nurmi JT, Paakkala A, Moisala A-S, Kaikkonen A, Järvinen M (2008) Improving biodegradable interference screw properties by combining polymers. In Prodromos CC (Ed.). The anterior cruciate ligament: Reconstruction and basic science. Philadelphia, Saunders Elsevier, pp. 386-391.
3. Järvelä S, Sihvonen R, Sirkeoja H and Järvelä T (2010) All-Inside Meniscal Repair With Bioabsorbable Meniscal Screws or With Bioabsorbable Meniscus Arrows: A Prospective, Randomized Clinical Study With 2-Year Results. Am J Sports Med 2010 38: 2211 originally published online August 17, 2010.

Description

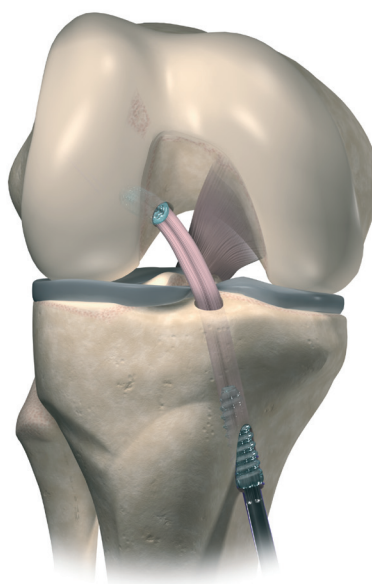
Inion Hexalon™ is the first coloured biodegradable interference screw which allows clear visibility during arthroscopic cruciate ligament reconstruction. Inion Hexalon™ is designed to be used for both hamstring and bone-tendon-bone graft fixations.

Indications

The Inion Hexalon™ Biodegradable interference screw is intended for soft tissue fixation to bone in surgeries of the knee, shoulder, elbow, ankle, foot, hand and wrist where the offered screw sizes are patient appropriate. This includes interference fixation in anterior and posterior cruciate ligament reconstruction using soft tissue or bone-tendon-bone grafts.

Benefits

Until now, one of the key disadvantages of biodegradable interference screws has been a tendency to break during insertion. Inion Hexalon™ combines optimal screw design with optimal elastic material composition to achieve significantly reduced risk of screw breakage. Inion Hexalon™ is designed to meet the high torque forces and demanding handling during the insertion. Inion Hexalon™ is self-tapping and its rounded thread design limits damage to the graft.



Inion Hexalon™ Screws, single packed

ACL-4113	Screw 6 x 20 mm
ACL-4114	Screw 6 x 25 mm
ACL-4115	Screw 6 x 30 mm
ACL-4101	Screw 7 x 20 mm
ACL-4102	Screw 7 x 25 mm
ACL-4103	Screw 7 x 30 mm
ACL-4104	Screw 8 x 20 mm
ACL-4105	Screw 8 x 25 mm
ACL-4106	Screw 8 x 30 mm
ACL-4107	Screw 9 x 20 mm
ACL-4108	Screw 9 x 25 mm
ACL-4109	Screw 9 x 30 mm
ACL-4112	Screw 10 x 30 mm

Inion Hexalon™ Instruments

INS-9200	Screwdriver
INS-9201	Notcher
INS-9202	24 cm Guide wire
INS-9203	38 cm Guide wire
INS-9205	Starter 6/7 mm
INS-9206	Starter 8/9 mm
INS-9207	RapidNotcher

Description

Inion Trinion™ Meniscus Screw is for use in fixation of longitudinal vertical meniscus lesions (bucket-handle lesions) located in the vascularized area of the meniscus.

Benefits

Unique screw tip and dual thread screw design ensure good fixation strength and easy insertion. With headless screw design, the screw can be fully inserted inside the meniscus to avoid cartilage damages.

Easy insertion with needle-tipped driver through the cannula system enables controlled screw insertion and optimal positioning of the screw.



Inion Trinion™ Meniscus Screws

MRD-3010 10 mm screw

SET-3002

3 x MRD-3010 (10 mm)

Inion Trinion™ Meniscus Instruments

INS-9215 Screwdriver shaft, single use
INS-9216 Screwdriver handle, reusable
INS-9211 Cannula, straight with the window
INS-9213 Cannula, raised (20°) with the window
INS-9212 Cannula, curved (40°)
INS-9214 Obturator
ACC-9818 Inion Compact Instrument Tray



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