

ActivaScrew™

- For fixation of bone fractures, osteotomies, arthrodeses, bone grafts and osteochondral fractures in the presence of appropriate immobilization.
- ActivaScrew™ is an implant with **high-strength and stiffness** created by the material and the manufacturing technique.
- The bending modulus of the material is close to the value of cortical bone which **decreases stress shielding** in bone.
- ActivaScrew™ material, **PLGA 85L/15G**, is replaced by bone in approximately two years.*
- ActivaScrew™ exploits Bioretec's **patented Auto-Compression™ technology** which reduces the risk of unstable fixation. This technology provides additional compression to the fracture for 8 weeks for proper ossification. In hydrolytic conditions, its diameter will expand, and length will decrease 1-2 % to produce the compression.

Low profile screw head that can be cut off to the desired length

Easy insertion with removable metallic insertion adapter

Individual sterile packages for every implant

Excellent also in pediatric orthopaedic



Fully threaded implants

Implants combine safe and bioabsorbable PLGA with Bioretec's unique self-reinforcement technologies

Auto-Compression™ technology for additional compression

Indication examples

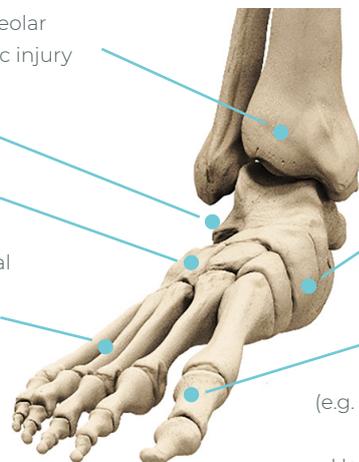
more indications - www.bioretec.com/professionals

Ankle fractures, e.g. malleolar fracture and syndesmotic injury

Talar fractures

Fractures of the tarsals, metatarsals and other fractures of the foot

Arthrodesis e.g., talocrural arthrodesis, subtalar arthrodesis, Lapidus arthrodesis, 1st MTP-arthrodesis, Interphalangeal (IP) arthrodesis



Calcaneal fractures

Fixation of metatarsal and phalangeal osteotomies (e.g. Akin, Scarf, Chevron, Weil) Hallux Valgus Hammertoe correction

Distal clavicular fracture

Glenoid rim fracture

Proximal humeral neck fractures

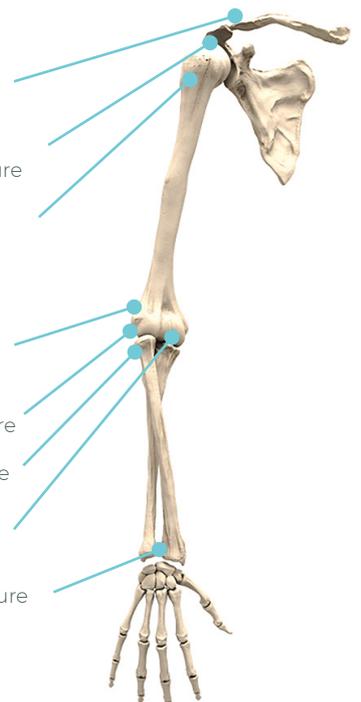
Lateral humeral condyle fractures

Epicondyle fracture

Olecranon fracture

Medial humeral condyle fracture

Distal radius fracture



* Hedelin, H. et al. MRI evaluation of resorbable poly lactic-co-glycolic acid (PLGA) screws used in pelvic osteotomies in children — a retrospective case series. J Orthop Surg Res 15, 329 (2020).