



**Fibcart**<sup>™</sup>  
Biodegradable Screws and Pins



*A unmatched formulation of materials with long histories of clinical use*

# BIORESORBABLE INTERFERENCE SCREWS

## Composition

It is composed of lactic acid and glycolic acid co-polymer and hydroxyapatite. It is ideal for reattachment ligament of host bone.

## Features

- > Primary stability conical shape, Soft thread for avoiding graft laceration
- > Superior osteoconduction
- > Biocompatibility
- > Biodegradable
- > Superior biological performance
- > MRI & CT compatible
- > Eliminating the need for a secondary surgery
- > Safe, good biocompatibility and completely absorbable
- > Ideal temporary support.
- > the purpose of these implants is to provide initial fixation strength comparable to commercially available metallic interference screws while allowing resorption and replacement by host bone

## Indications

It is indicating for attachment of soft tissue grafts or bone-tendon grafts to the tibia and/or femur during cruciate ligament reconstruction surgeries.

### Forefoot

- > Ankle fractures.
- > Talar fracture.
- > Calcaneal fractures.
- > Hallux valgus surgery.
- > Femoral head fractures.
- > Femoral condylar intra-articular fractures
- > Patellar fractures.
- > OCD.

### Upper extremities

- > Distal clavicular fracture.
- > Glenoid rim fractures.
- > Proximal humeral neck fractures.
- > Epiphyseolytic fractures in upper limb in children.
- > Intra-articular fractures of humeral capitellum through the articular surface
- > Lateral humeral condyle fractures.
- > Medial humeral condyle or epicondyle fractures.
- > Olecranon fractures.
- > Radial head fractures.
- > Distal radial fractures.
- > Hand fractures.





# FIXATION SCREWS

**FIXART™** range of bioresorbable products address a range of indications which require a good osteointegration to the host tissue. They are composed of lactic acid and glycolic acid co-polymer and hydroxyapatite which has FDA approved materials which has favourable strength and bio-compatibility.

## Immediate Mechanical Strength

After implanting in the human body for 6 months, the mechanical strength of the screw is greater than cancellous bone, and the elasticity modulus are close to the cancellous bone, which allows small movements of the broken ends of fractured bone and be beneficial to the fracture. As the fixture degrades, the stress will be gradually passed on to the healing fracture interface to reduce the risk of osteoporosis.

## Biodegradation

- It degrades by bodily fluids through hydrolysis process. It degrades at the pace it is replaced by newly regenerated bone.
- It provides Superior Biological Performance comparing to metallic screws. Minimal head protrusion.
- No risk of screw breakage before removal due to biodegradation of the screw. (no removal needed)
- Screw can be cut in length after implantation

## Indications

### Lower extremities

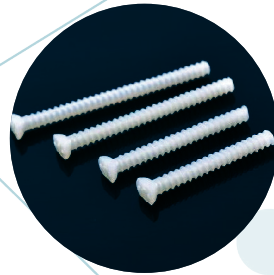
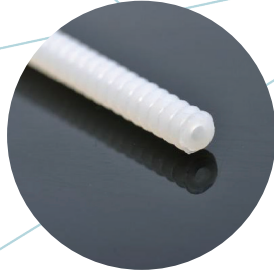
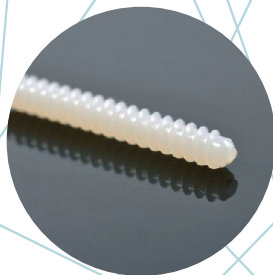
Ankle fractures, Talar fractures, Calcaneal fractures, Hallux valgus surgery (Proximal osteotomy or TMTI arthrodesis), Talocrural arthrodeses, Subtalar arthrodeses

### Upper extremities

Distal clavicular fracture, glenoid rim fractures, Proximal humeral neck fractures, Epiphyseolytic fractures in upper limb in children, Lateral humeral condyle fractures, Medial humeral condyle or epicondyle fractures, Olecranon fractures, Distal radial fractures, Hand fractures, Scaphoideus

## Description

Fully Thread Cannulated Screw 2.00mm x 18mm
Fully Thread Cannulated Screw 2.70mm x 18mm, 20mm, 22mm, 24mm, 26mm
Fully Thread Cannulated Screw 2.70mm x 28mm,30mm
Fully Thread Cannulated Screw 3.50mm x 20mm,24mm,26mm,28mm,30mm,32mm,
Fully Thread Cannulated Screw 4.00mm x 40mm,45mm,55mm,60mm,65mm
Fully Thread Cannulated Screw 4.50mm x 40mm,50mm,60mm,70mm,80mm,90mm
Partial Thread Cannulated Screw 2.70mm x 24mm,26mm,30mm,35mm,40mm,45mm
Partial Thread Cannulated Screw 3.50mm x 24mm,26mm,28mm,30mm,35mm,40mm,45mm
Partial Thread Cannulated Screw 4.00mm x 35mm,40mm,45mm,50mm,55mm,60mm,65mm,70mm,80mm
Partial Thread Cannulated Screw 4.50mm x 40mm,45mm,50mm,55mm,60mm,65mm
Full Thread Screw 2.00mm x 20mm
Full Thread Screw 2.70mm x 14mm,16mm,18mm,20mm,24mm
Full Thread Screw 3.50mm x 16mm, 20mm,24mm,28mm,32mm,36mm,40mm,50mm
Full Thread Screw 4.50mm x 35mm,40mm,45mm,50mm,55mm,60mm,70mm
Partial Thread Screw 3.50mm x 20mm,24mm,30mm,35mm,40mm,45mm
Partial Thread Screw 4.50mm x 35mm,40mm,45mm,50mm,60mm,70mm
Medulary Screw 80mm, 100mm,12 0mm,14 0mm,16 0mm
Cartilage Screw 1.50mm x 14mm, 16mm,18mm,20mm
Interference Screws 8.00mm x 20mm, 24mm, 28mm, 30mm, 33mm
Interference Screws 100mm x 24mm, 28mm, 30mm, 33mm
Straight Pin 1.5mm x 70mm
Straight Pin 2.0mm x 70mm
Straight Pin 2.5mm x 70mm
Straight Pin 3.0mm x 70mm
Straight Pin 4.5mm x 70mm
Angled Pin 1.5mm x 70mm
Angled Pin 2.0mm x 70mm
Angled Pin 2.5mm x 70mm
Angled Pin 3.0mm x 70mm
Angled Pin 4.5mm x 70mm



# MAVERA®

m e d i c a l d e v i c e s

*BEYOND FROM WITHIN™*

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U.S. and foreign patents pending

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