THE ADVENTURE of RESEARCH

MouseFix
MouseScrew
MouseNail
MouseExFix

RatFix
RatScrew
RatNail
RatExFix
RatDis

RabbitNail
MouseFix
Implants & Instruments

plate fixation
Stabilization of the Femur with a conventional bridging osteosynthesis or by inter-fragmentary compression as preferred. Possible osteotomy size from 0.25 - 3.50 mm.

RIS.401.110 MouseFix Plate 4 hole, rigid
RIS.401.120 MouseFix Plate 4 hole, flexible
RIS.401.130 MouseFix Plate 6 hole
RIS.401.111 MouseFix Plate 3 hole, metaphyseal rigid
RIS.401.111 MouseFix Plate 3 hole, metaphyseal flexible
RIS.401.100 MouseFix Screw, length 2.00 mm
RIS.301.100 MouseFix Drill- & Saw guide sc, rigid
RIS.301.101 MouseFix Drill- & Saw guide sc, flexible
RIS.301.102 MouseFix Drill- & Saw guide 1.75 mm, rigid
RIS.301.103 MouseFix Drill- & Saw guide 3.5 mm, XL
RIS.301.104 MouseFix Drill- & Saw guide 1.75 mm, flexible
RIS.592.200 Drill Bit 0.30 mm
RIS.590.111 Square box wrench 0.5 mm
**MouseScrew**

Implants & Instruments

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**intramedullary fixation**

Stabilization of a closed fracture of the Femur with an intramedullary tension screw.
MouseNail
Implants & Instruments

intramedullary fixation
Stabilization of a single cut - or large gap osteotomy with a locked intramedullary nail.
Possible osteotomy size from 0.25 - 2.00 mm. A fracture model is also possible.

RIS.221.122 MouseNail, wide interlocking
RIS.221.101 MouseNail
RIS.221.121 MouseNail, locking Pin
RIS.592.200 Drill Bit 0.30 mm
RIS.592.205 Centring Bit 1.00 mm
RIS.521.100 Guide wire 0.20 mm
RIS.221.200 MouseNail Aiming Device
RIS.221.201 MouseNail Aiming Device, wide interlocking
RIS.321.101 MouseNail Sawguide, 0.25mm
RIS.321.100 MouseNail Sawguide, 2mm
**MouseExFix**

Implants & Instruments

**external fixation**

Stabilization of the Femur with an external fixator. Possible osteotomy size from 0.25 - 3.00 mm. In-vivo adjustment of the fixator stiffness possible.

- **RIS.611.200 MouseExFix simple** L 100%
- **RIS.611.210 MouseExFix simple** XL 100%
  - In-vivo adjustment of stiffness available on request

- **RIS.611.201 MouseExFix simple** L 50%
- **RIS.611.201 MouseExFix simple** XL 50%
  - In-vivo adjustment of stiffness available on request

- **RIS.411.100 MouseExFix Mounting pin 0.45 mm**

- **RIS.592.205 Centring Bit 1.00 mm**
- **RIS.590.201 Drill Bit 0.45mm**
- **RIS.590.112 Square box wrench 0.7 mm**

**Saw guides from single cut up to 3.00 mm available on request**
RatFix
Implants & Instruments

plate fixation
Stabilization of the Femur with a conventional bridging osteosynthesis. Possible osteotomy size from 0.25 up to 6 mm. The plate is made out of PEEK, a radiolucent material, to enable in-vivo CT or X-ray evaluation of the healing process.

RIS.602.100 RatFix Plate, 8 hole@23 mm, Femur
RIS.602.110 RatFix Plate, 8 hole@18 mm, Tibia
RIS.602.111 RatFix Plate, 8 hole@16 mm, Humerus
RIS.402.120 RatFix ShoulderScrew 0.7x5.7 mm
RIS.402.121 RatFix ShoulderScrew 0.7x6.5 mm
RIS.402.125 RatFix ShoulderScrew 0.8x6.5 mm
RIS.302.100 RatFix Drill- & Saw guide sc/3 mm
RIS.302.102 RatFix Drill- & Saw guide 2 mm
RIS.302.104 RatFix Drill- & Saw guide 4 mm
RIS.302.105 RatFix Drill- & Saw guide 5 mm
RIS.302.106 RatFix Drill- & Saw guide 6 mm
RIS.302.202 RatFix Drill- & Saw guide 2 mm@18
RIS.302.302 RatFix Drill- & Saw guide 2 mm@16
RIS.592.201 Drill Bit 0.65 mm
RIS.590.112 Square box wrench 0.7 mm
**intramedullary fixation**
Stabilization of a closed fracture of the Femur with an intramedullary tension screw.

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**RatScrew**
Implants & Instruments

RIS.222.300 RatScrew, length 33.70 mm, with fronte hole

RIS.592.205 Centring Bit 1.00 mm

RIS.590.112 Square box wrench 0.70 mm

RIS.522.110 Guide wire 0.40 mm

RIS.891.100 Fracture Device small
RatNail
Implants & Instruments

intramedullary fixation
Stabilization of a single cut - or large gap osteotomy with a locked intramedullary nail. Possible osteotomy size from 0.25 - 6.00 mm. A fracture model is also possible.

RIS.222.200 RatNail L
RIS.222.210 RatNail XL
RIS.222.211 RatNail, locking Pin L & XL

RIS.592.206 Drill Bit 0.71 mm
RIS.592.205 Centring Bit 1.00 mm
RIS.522.100 Reamer 1.65 x 30.50 mm
RIS.522.101 Reamer 2.05 mm
RIS.522.110 Guide wire 0.40 mm
RIS.322.110 RatNail Aiming Device L & XL
**RatExFix**

**Implants & Instruments**

**external fixation**

Stabilization of the Femur with an external fixator. Possible osteotomy size from 0.25 - 6.00 mm. In-Vivo adjustment of the fixator stiffness possible.

- RIS.592.205 Centring Bit 1.00 mm
- RIS.592.210 Drill Bit 0.75 mm
- RIS.590.112 Square box wrench 0.7 mm

- RIS.612.120 RatExFix simple 100%
  - In-vivo adjustment of stiffness available on request
- RIS.612.121 RatExFix simple 70%
  - RIS.612.122 RatExFix simple 10%
  - In-vivo adjustment of stiffness available on request
- RIS.412.100 RatExFix Mounting pin 0.85 mm

Saw guides from single cut up to 6.00 mm available on request
RatDis
Implants & Instruments

RIS.632.100 RatDis pitch 0.25 mm, LEFT
RIS.632.100 RatDis pitch 0.25 mm, LEFT
RIS.412.100 RatExFix Mounting pin 0.85 mm

RIS.592.205 Centring Bit 1.00 mm
RIS.592.210 Drill Bit 0.75 mm
RIS.590.112 Square box wrench 0.7 mm
RIS.590.113 Slot Drive Bit 0.50 mm

external fixation
Distraction osteosynthesis from 0.00 - 10.00 mm.
**RabbitNail**

Implants & Instruments

- RIS.223.100 RabbitNail
- RIS.223.110 RabbitNail XL
- RIS.223.101 RabbitNail, locking Pin standard & XL
- RIS.592.211 Drill Bit 1.00 mm, long
- RIS.592.209 Centring Bit 2.00 mm
- RIS.592.212 Reamer 2.80 mm
- RIS.523.110 Guide wire 0.80 mm

**intramedullary fixation**

Stabilization of a fracture, single cut - or large gap osteotomy with a locked intramedullary nail. Possible osteotomy size from 0.25 - 15.00 mm. A fracture model is also possible.
Basic Instruments

In addition to the implant specific instruments, the basic instruments ensure a save application of the implants. They can be used for all RISystem kits. For other instruments please contact us.

RIS.390.200 AccuPen 3V
RIS.390.210 AccuPen 6V
RIS.390.130 Hand drill
RIS.590.111 Square box wrench 0.50 mm
RIS.590.112 Square box wrench 0.70 mm
RIS.590.113 Slot Drive Bit 0.50 mm
RIS.522.110 Guide wire 0.40 mm
RIS.523.110 Guide wire 0.80 mm
RIS.521.100 Guide wire 0.20 mm
RIS.891.100 Fracture Device small
Consumables

In addition to the instruments, the specific drill bits, reamers and centring bits ensure a safe application of the implants.

To create the different osteotomies we have three sizes of the micro Gigli wire saw available.

For other consumables please contact us.

RIS.592.200 Drill Bit 0.30 mm
RIS.590.201 Drill Bit 0.45 mm
RIS.592.201 Drill Bit 0.65 mm
RIS.592.206 Drill Bit 0.71 mm
RIS.592.210 Drill Bit 0.75 mm
RIS.592.211 Drill Bit 1.00 mm, long

RIS.592.212 Reamer 2.80 mm
RIS.522.100 Reamer 1.65 x 30.50 mm
RIS.522.101 Reamer 2.05 mm

RIS.592.205 Centring Bit 0.50 mm
RIS.592.205 Centring Bit 1.00 mm
RIS.592.209 Centring Bit 2.00 mm

RIS.590.100 Gigli wire saw 0.22 mm, 25 m
RIS.590.110 Gigli wire saw 0.44 mm, 25 m
RIS.590.120 Gigli wire saw 0.66 mm, 25 m
Technology & Materials
RISystem implants are exclusively made out of medical grade raw materials to ensure biocompatibility. The small dimensions are demanding but with the innovative design, the surgical technique is simple and easy to learn.

Customized solutions
To address your study requirements, the available RISystem kits can be modified.

Design service & consulting
If you need a complete new implant system, we can give you advice and/or develop them for you.

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