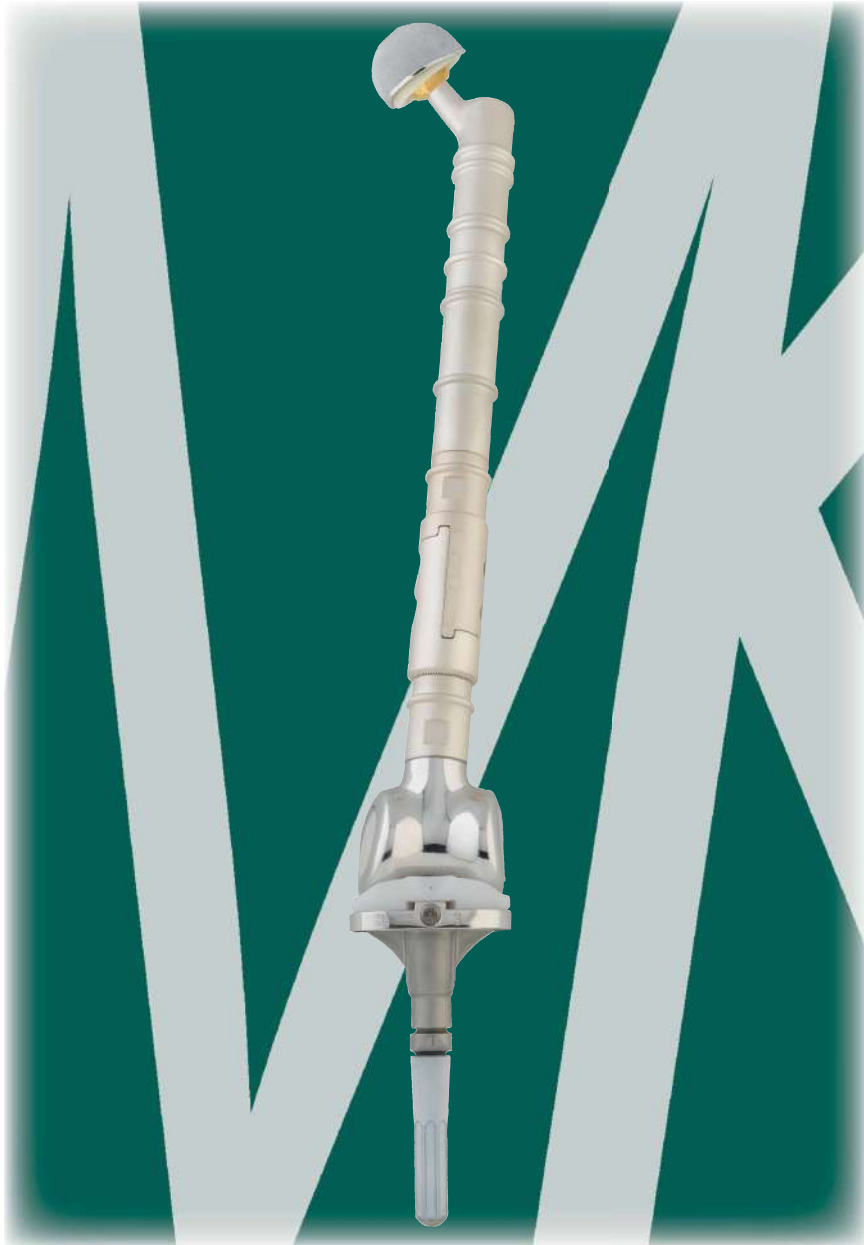


MUTARS[®] MK



Product Portfolio



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MUTARS® MK







Modular Universal Tumor and Revision System

MUTARS® was developed in co-operation
with Univ.-Prof. Dr. W. Winkelmann* (em. Director) and
Univ.-Prof. Dr. G. Gosheger (Director)
Department of General Orthopaedics
and Orthopaedic Oncology at the
University Hospital of Münster, Germany.

MUTARS® is in successful
clinical use since 1992.

*currently: Consultant for Orthopaedic Oncology,
Schönklinik Hamburg-Eilbek

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Introduction

The GenuX[®] MK -Modular Knee- system is a further development of the existing GenuX[®] knee revision implant which is successful in clinical use since 2006. The GenuX[®] MK has been developed to offer the intraoperative choice between Mobile-Bearing and Fixed-Bearing PE-Inlays. Moreover, the focus is on the new design of the tibial and femoral component with less bone resection and an easy instrumentation. The biomechanically optimized MUTARS[®] GenuX[®] MK coupling allows for 130° flexion. The Range of Motion (ROM) of the MUTARS[®] GenuX[®] MK coupling is 142°. To simplify the system the same stems are used femorally and tibially in conjunction with offset adapters.

MUTARS[®] (**M**odular **U**niversal **T**umor **A**nd **R**evision **S**ystem) has been successfully used since 1992 for the treatment of major osseous defects of the lower and upper extremities.

Its modular design was developed in co-operation with Univ.-Prof. Dr. W. Winkelmann* (em. Director) and Univ.-Prof. Dr. G. Gosheger (Director), Department of General Orthopaedics and Orthopaedic Oncology at the University Hospital of Münster, Germany. The system shows good functional results and allows an individual solution for major osseous defects including arthroplasties of the adjacent joints.

The tibial and femoral components of the GenuX[®] MK system are fully compatible in tumour treatments with all MUTARS[®] standard products. With the MK components, the Mobile-Bearing option is possible. MUTARS[®] MK combines the advantages of the GenuX[®] MK system and the established MUTARS[®] system.

In tumour and revision surgery, it is very often preoperatively not clear how much bone in stock and what quality be available after removal of the tumour or the primary implant for implant anchorage. It is highly important to be able to adapt intraoperatively with a highly modular and quality system in all situations. 4 sizes of femoral and tibial components are available. Femorally and tibially the same stems are used in either a cemented or cementless version with four different lengths and nine diameters for anchorage are available. With the offset adapter the stems can be attached in an optimal position to the tibial and femoral component due to the 360° free adjustable offset. To fill bone defects a variety of spacers of different thicknesses (5-45 mm tibial [5-20 mm unicondylary, 25 - 45 mm bicondylary], femoral 5-10 mm) are available for each size. The patella can be replaced by a cemented PE patella implant.

For the implantation of MUTARS[®] MK, simple instruments are available. The surgical technique is functional, so that the MUTARS[®] MK system can be implanted after a short learning curve. The surgery is performed with comparatively straight forward instrumentation.

* currently: Consultant, for Orthopaedic Oncology, Schönklinik Hamburg-Eilbek

**MK components for
MUTARS® MK femoral treatments**

MUTARS® treatments:

- GenuX® MK IMFR
- Proximal Tibia MK
- Proximal Femoral replacement with revision knee replacement

**MK components for
MUTARS® MK tibial treatments**

MUTARS® treatments:

- Distal Femur MK
- Total Femur MK
- KRI MK
- KRI MK IMFR

*GenuX® MK stem
cementless or cemented*

GenuX® MK offset adapter

*GenuX® MK femoral component
cementless or cemented*

*MK femoral spacer
posterior and/or distal*

*GenuX® MK PE-Inlay
MB or FB*

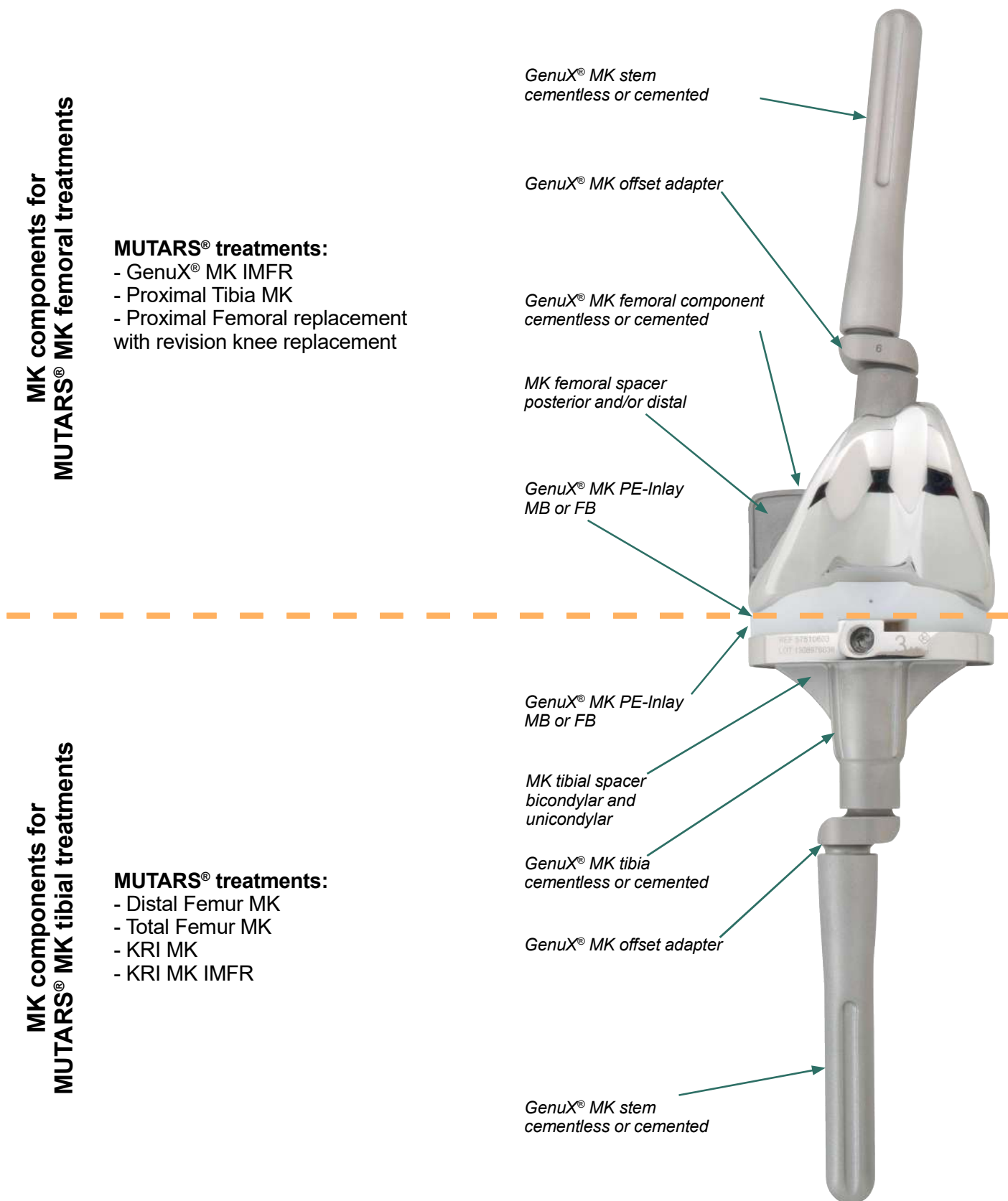
*GenuX® MK PE-Inlay
MB or FB*

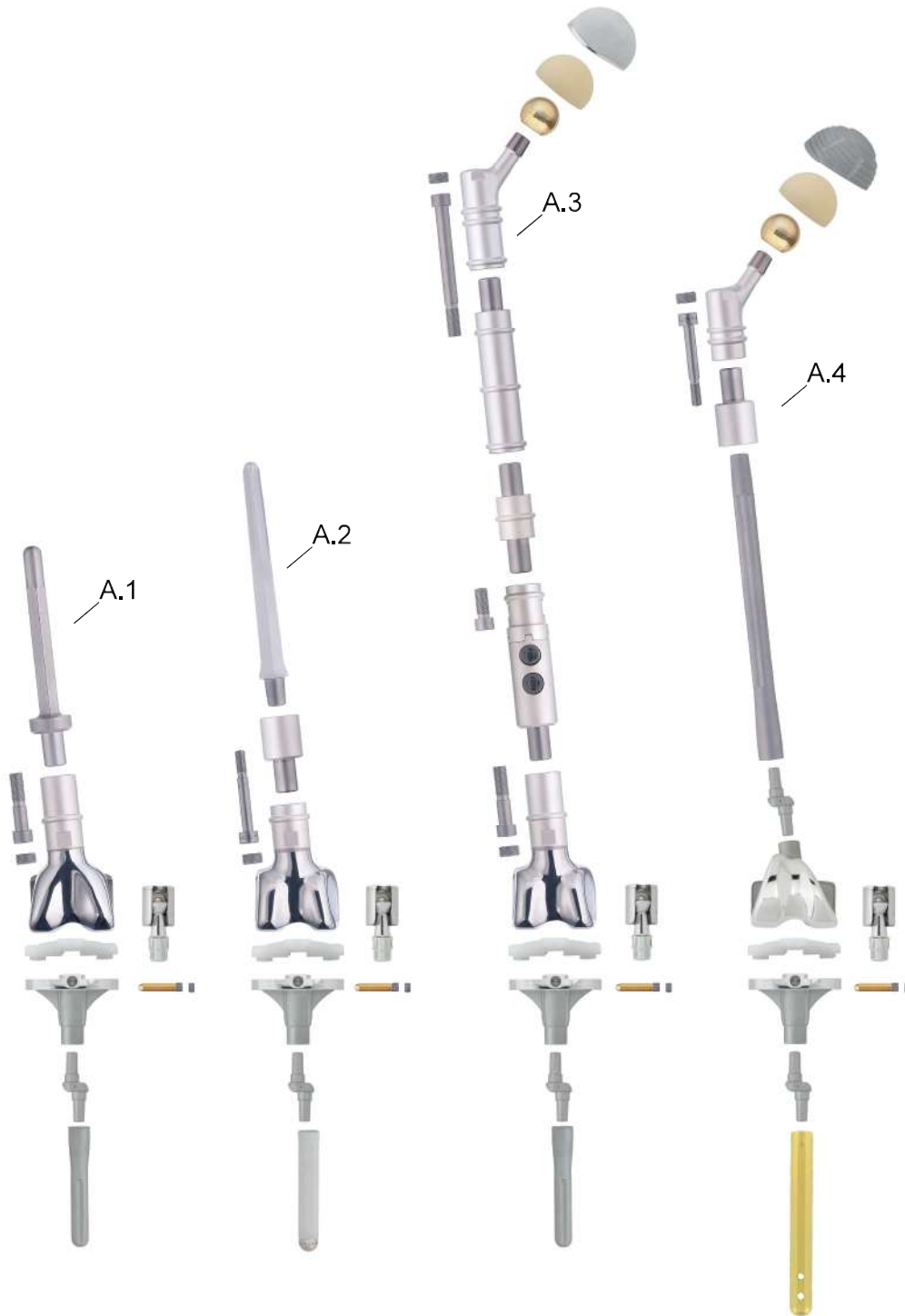
*MK tibial spacer
bicondylar and
unicondylar*

*GenuX® MK tibia
cementless or cemented*

GenuX® MK offset adapter

*GenuX® MK stem
cementless or cemented*





A Femoral Implants



- A.1 Distal Femoral Replacement MK
- A.2 Distal Femoral Replacement MK
- A.3 Total Femoral Replacement MK
- A.4 Prox. Femoral Replacement with MK

Replacement of the distal femur with knee joint
 Replacement of the distal femur with RS stem
 Replacement of the entire femur with knee joint
 Replacement of the prox. femur with con. to the knee



B Tibial Implants

- B.1 Total Knee Repl. MK
- B.2 Proximal Tibial MK
- B.3 GenuX® MK
- B.4 GenuX® MK IMFR
- B.5 KRI MK
- B.6 KRI MK IMFR
- B.7 LUMiC®
- B.8 Attachment tube

Knee arthroplasty with Proximal Tibia and Distal Femur or KRI
 Replacement of the proximal tibia with resurfacing of the femur
 Knee Revision System (Modular Knee)
 Combination of knee and hip replacement (revision)
 Distal Femur replacement (short resection)
 Combination of knee and hip replacement (revision)
 Partial pelvic replacement
 Soft tissue refixation at the proximal tibia, femur and humerus

MUTARS® Distal Femoral Replacement MK



Femoral stem
 Distal Femur MOM (left&right)
 Patella
 MUTARS® GenuX® MK coupling
 PE-Inlay MK MB, FB
 Tibial plateau MK cementless cemented
 Offset adapter MK
 Tibial spacer MK 5-45mm
 GenuX® MK stem cementless cemented

A.1 Distal Femoral Repl. MK



Indication:

Tumours in the area of the distal femur with a rotating hinge knee arthroplasty.

System Components:

Distal Femur 90 mm and 110 mm, PE-Inlay MK, MUTARS® GenuX® MK coupling, curved femoral stem, GenuX® MK stem cemented or cementless with HA-coating, Tibial plateau MK cementless and cemented, cemented Patella replacement, Offset adapter MK

Length of reconstruction:

≥ 100 mm

Materials:

implatan®, TiAl₆V₄ with HA-coating
 implavit®, CoCrMo
 UHMW-PE

MUTARS® Distal Femoral Replacement MK with RS stem



RS stem
 RS adapter
 Distales Femur MOM (left&right)
 Patella
 MUTARS® GenuX® MK coupling
 PE-Inlay MK MB, FB
 Tibial plateau MK cementless cemented
 Offset adapter MK
 Tibial spacer MK 5-45mm
 GenuX® MK stem cementless cemented

A. 2 Distal Femoral Repl. MK with RS stem

Indication:

Tumours in the area of the distal femur after extended extraarticular resections.

System Components:

Distal Femur 90 mm and 110 mm, RS Adapter, PE-Inlay MK, MUTARS® GenuX® MK coupling, curved femoral revision stem, GenuX® MK stem cemented or cementless with HA-coating, Tibial plateau MK cementless and cemented, cemented Patella replacement, Offset adapter MK

Length of reconstruction:

≥ 120 mm

Materials:

implatan®, TiAl₆V₄ with HA-coating
 implavit®, CoCrMo
 UHMW-PE

MUTARS® Total Femoral Replacement MK



EcoFit® 2M cup cementless
 2M implacross® E head
 ic-head TiN
 Proximal Femur
 Extension piece
 connecting part
 reducer
 Distal Femur MOM
 MUTARS® GenuX® MK coupling
 PE-Inlay MK MB, FB
 Tibial plateau MK cementless cemented
 Offset adapter MK
 Tibial spacer MK 5-45mm
 GenuX® MK stem cementless cemented

A.3 Total Femoral Replacement MK

Indication:

Tumours throughout the entire femoral bone with replacement of the hip and knee joint. The reconstruction length can be adjusted in 10 mm increments.

System Components:

Proximal Femur, Head: CoCrMo, Ceramic or TiN, 2M implacross® E head, EcoFit® 2M Cup, Distal Femur MOM, PE-Inlay MK, MUTARS® GenuX® MK coupling, Connecting part, Reducer, Tibial plateau MK, Offset adapter MK, GenuX® MK stem

Length of reconstruction:

≥ 280 mm

Materials:

implatan®, TiAl₆V₄
 implavit®, CoCrMo
 UHMW-PE
 Al₂O₃

MUTARS® Prox. Fem. Replacement with Revision Knee MK



EcoFit® 2M cup cementless
 2M implacross® E head
 ic-head TiN
 Proximal Femur
 RS adapter 30mm
 Intramedullary connecting module GenuX® MK
 GenuX® MK Femur (left&right) size.:2-5
 MUTARS® GenuX® MK coupling
 PE-Inlay MK MB, FB
 Tibial plateau MK cementless cemented
 Offset adapter MK
 Tibial spacer MK 5-45mm
 GenuX® MK stem cementless cemented

A.4 Prox. Femoral Repl. with Revision Knee MK

Indication:

Tumours in the area of the proximal Femur. Intra-medullary connection to a revision knee

System Components:

Proximal Femur, Head: CoCrMo, Ceramic or TiN, 2M implacross® E head, EcoFit® 2M Cup, RS adapter, IMFR GenuX® MK, GenuX® MK femoral component, PE-Inlay MK, MUTARS® GenuX® MK coupling, Tibial plateau MK, Offset adapter MK, GenuX® MK stem

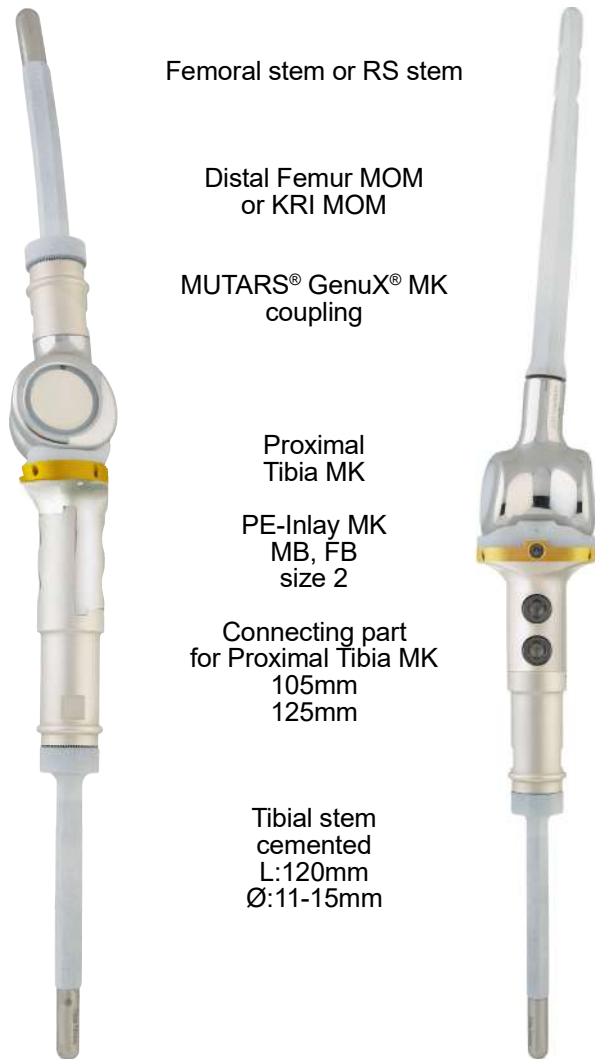
Implant length:

≥ 260 mm (prox. reconstruction ≥ 100 mm)

Materials:

implatan®, TiAl₆V₄
 implavit®, CoCrMo
 UHMW-PE

MUTARS® Total Knee Replacement MK with Distal Femur or KRI



Femoral stem or RS stem

Distal Femur MOM
or KRI MOM

MUTARS® GenuX® MK
coupling

Proximal
Tibia MK

PE-Inlay MK
MB, FB
size 2

Connecting part
for Proximal Tibia MK
105mm
125mm

Tibial stem
cemented
L:120mm
Ø:11-15mm

MUTARS® Proximal Tibia MK Replacement



GenuX® MK stem
cementless
cemented

Offset adapter MK

GenuX® MK
femoral component
(left&right)
cementless
cemented

Patella
replacement
cemented

MUTARS® GenuX® MK
coupling

Proximal
Tibia MK

PE-Inlay MK
MB, FB
size 2

Connecting part
for Proximal Tibia MK
105mm
125mm

Tibial stem
cemented
L:120mm
Ø:11-15mm

B.1 Total Knee Replacement MK with Distal Femur or KRI



Indication:

Tumours in the area of the knee joint with major femoral and tibial bone loss. Rotating hinge knee arthroplasty.

System Components:

Femoral stem, Distal Femur MOM or KRI MOM, Proximal Tibia MK, PE-Inlay Gr. 2, Connecting part for Proximal Tibia MK, Tibial stem cemented, cemented patella replacement

Length of reconstruction:

with Distal Femur ≥ 215 mm (femoral 100 mm, tibial 115 mm), with KRI ≥ 165 mm (femoral 50 mm, tibial 115 mm)

Materials:

implatan®, TiAl_6V_4 with HA-coating
implavit®, CoCrMo
UHMW-PE

B.2 Proximal Tibia MK Replacement



Indication:

Tumours in the area of the proximal tibia with a rotating hinge femoral resurfacing knee replacement.

System Components:

GenuX® MK stem, GenuX® MK femoral components, Proximal Tibia MK, PE-Inlay MK size 2, Connecting part for Proximal Tibia MK, Tibial stem, cemented patella replacement

Length of reconstruction:

≥ 115 mm

Materials:

implatan®, TiAl_6V_4 with HA-coating
implavit®, CoCrMo
UHMW-PE

GenuX® MK Knee Revision System

GenuX® MK Monoblock



GenuX® MK stem
cementless
cemented

Femoral spacer
cemented

GenuX® MK
femoral component
(left&right)
cementless
cemented

Patella
replacement
cemented

MUTARS® GenuX® MK
coupling

PE-Inlay MK
MB, FB

Tibial Plateau MK
cementless
cemented

Tibial spacer MK

Offset adapter MK

GenuX® MK stem
cementless
cemented

B.3 GenuX® MK Knee Revision System

Indication:



Constrained revision knee replacement, large bone defects can be augmented.

System Components:

GenuX® MK femoral component, GenuX® MK stem cementless and cemented, Tibial plateau MK cementless and cemented, Offset adapter MK

Implant length:

≥ 120 mm tibial and femoral, augmentation: 5-20 mm tibial unicondylar, 25-45 mm tibial bicondylar, femoral 5 and 10 mm,

Materials:

implatan®, TiAl₆V₄ with HA-coating
implavit®, CoCrMo
UHMW-PE



GenuX® MK Monoblock
femoral component
(left&right)
cemented

MUTARS® GenuX® MK
coupling

PE-Inlay MK
MB, FB

Tibial plateau MK Mono-
block
cemented

B.3.1 GenuX® MK Monoblock

Indication:

Basic, cemented revision treatment of the knee without major bone defects.

System Components:

GenuX® MK Monoblock femoral component cemented, Tibial plateau MK Monoblock cemented, PE-Inlay MK, MUTARS® GenuX® MK coupling

Length of reconstruction:

≥ 125mm tibial und femoral

Materials:

implavit®, CoCrMo
UHMW-PE

GenuX® MK Intramedullary Total Femoral Replacement



- ic-bipolar head
- ic-head
- RS proximal component
- RS metaphyseal component
 - standard
 - small
- Intramedullary connecting module GenuX® MK
- GenuX® MK femoral component (L&R)
 - cementless
 - cemented
- MUTARS® GenuX® MK coupling
- PE-Inlay MK MB, FB
- Tibial plateau MK
 - cementless
 - cemented
- Tibial spacer MK
- Offset adapter MK
- GenuX® MK stem
 - cementless
 - cemented

B.4 GenuX® MK Intramedullary Total Femoral Replacement

Indication:

Combined revision joint replacement of the hip and knee joint using an intramedullary connection

System Components:

RS proximal component, RS metaphyseal component, RS Extension piece 25mm, Intramedullary connecting module, GenuX® MK femoral component, Tibial plateau MK, GenuX® MK stem cementless and cemented

Length of reconstruction:

≥ 332 mm (femoral length)

Materials:

implatan®, TiAl₆V₄ with HA-coating
implavit®, CoCrMo
UHMW-PE

KRI MK - Knee Reconstruction Implant



- RS stem
 - cementless
 - cemented
- KRI MOM (L&R)
- MUTARS® GenuX® MK coupling
- PE-Inlay MK MB, FB
- Tibial plateau MK
 - cementless
 - cemented
- Tibial spacer MK
- Offset adapter MK
- GenuX® MK stem
 - cementless
 - cemented

B.5 KRI MK - Knee Reconstruction Implant

Indication:

Constrained revision knee replacement, huge bone defects can be augmented with loss of the distal femoral condyles.

System Components:

RS stem, RS extension piece 25mm, KRI MOM (for allergic patients also TiN coated), Tibial plateau MK cemented, Offset adapter MK, GenuX® MK stem cementless and cemented

Length of reconstruction:

≥ 50 mm

Materials:

implatan®, TiAl₆V₄ with HA-coating
implavit®, CoCrMo
UHMW-PE

Intramedullary Total Femoral Replacement with KRI MK

MUTARS® LUMiC



- EcoFit® 2M cup cemented
- 2M implacross® E head ic-head TiN
- RS proximal component
- RS metaphyseal component standard small
- Intramedullary connecting module for KRI Ø:15mm cementless
- KRI MOM (L&R)
- MUTARS® GenuX® MK coupling
- PE-Inlay MK MB, FB
- Tibial plateau MK cementless cemented
- Tibial spacer MK
- Offset adapter MK
- GenuX® MK stem cementless cemented

B.6 Intramedullary Total Femoral Repl. with KRI MK

Indication:

Combined revision joint replacement of the hip and knee joint using an intramedullary connection with loss of the distal femoral condyles.

System Components:

RS proximal component, RS metaphyseal component, RS extension piece 25mm, Intramedullary connecting module, KRI MOM, Tibial plateau MK, Offset adapter MK, GenuX® MK stem cemented and cementless

Length of reconstruction:

≥ 327 mm (femoral length)

Materials:

implatan®, TiAl₆V₄ with HA-coating
implavit®, CoCrMo
UHMW-PE



- LUMiC® Cup
- 3 Sizes
- HA-coated
- smooth surface
- silver (only 60mm cup)

- LUMiC® stems
- cementless
- cemented

- 3 articulation options
- poly-on-metal
- poly-on-ceramic
- tripolar

B.7 Partial Pelvic Replacement using the LUMiC®

Indication:

Partial pelvic reconstruction replacement for the hip joint after many or complicated revisions or after major bone defects of the acetabulum.

System Components:

LUMiC® cup (TiAl₆V₄), cementless (TiAl₆V₄) and cemented (CoCrMo) stems, ACCIS® Insert 15° (CoCrMo), implacross® PE-Insert (UHMW-PE), 2M implacross® E Head (UHMW-PE loaded with Vitamin E)

Materials:

implatan®, TiAl₆V₄ with HA-coating
implavit®, CoCrMo
UHMW-PE

MUTARS® MK Implants

C.1 MUTARS® Implants

*S: For anti-infective treatment silver coated implants are available!

*N: For anti-allergic treatment TiN coated implants are available!

*SN: Implants are coated with Silber and TiN!

Proximal Femur *S

incl. safety screw

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5710-0205 50 mm
5710-0207 70 mm

extension piece *S

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5772-2504 40 mm
5772-2506 60 mm
5772-2508 80 mm
5772-2510 100 mm

A 30 mm extension piece is available on demand!

connecting part *S

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5730-0100 100 mm

reducer *S

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5730-0220 20 mm
5730-0230 30 mm

screw, M10

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5792-1002 25 mm
5792-1004 45 mm
5792-1006 65 mm
5792-1008 85 mm
5792-1010 105 mm
5792-1012 125 mm
5792-1014 145 mm
5792-1016 165 mm
5792-1018 185 mm
5792-1020 205 mm
5792-1022 225 mm
5792-1024 245 mm

femoral stem cementless, length: 120 mm

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3
with HA-coating acc. to ISO 13779-2

5760-0111 11 mm max. 60 kg*
5760-0012 12 mm
5760-0113 13 mm
5760-0014 14 mm
5760-0115 15 mm
5760-0016 16 mm
5760-0117 17 mm
5760-0018 18 mm
5760-0019 19 mm
5760-0020 20 mm

Available without HA-coating on request!

* Available On Special demand

femoral stem cemented *N

mat.: *implavit*®, $CoCrMo$ acc. to ISO 5832-4

5760-0011 11 x 120 mm max. 75 kg
5760-0013 13 x 120 mm
5760-0015 15 x 120 mm
5760-0017 17 x 120 mm
5760-1116 11 x 160 mm max. 75 kg
5760-1316 13 x 160 mm
5760-1516 15 x 160 mm
5760-1716 17 x 160 mm
5760-1120 11 x 200 mm max. 75 kg
5760-1320 13 x 200 mm
5760-1520 15 x 200 mm
5760-1720 17 x 200 mm
5760-1124 11 x 240 mm max. 75 kg
5760-1324 13 x 240 mm
5760-1524 15 x 240 mm
5760-1724 17 x 240 mm

femoral stem cemented with TiN-coating and HA-collar

mat.: *implavit*®, $CoCrMo$ acc. to ISO 5832-4

5769-1211 11 x 120 mm
5769-1213 13 x 120 mm
5769-1215 15 x 120 mm
5769-1217 17 x 120 mm
5769-1611 11 x 160 mm
5769-1613 13 x 160 mm
5769-1615 15 x 160 mm
5769-1617 17 x 160 mm
5769-2011 11 x 200 mm
5769-2013 13 x 200 mm
5769-2015 15 x 200 mm
5769-2017 17 x 200 mm
5769-2411 11 x 240 mm
5769-2413 13 x 240 mm
5769-2415 15 x 240 mm
5769-2417 17 x 240 mm

with locking Holes for \varnothing 4,5mm screws

Distal Femur M-O-M*S *N

incl. safety screw

mat.: *implavit*®, $CoCrMo$ acc. to ISO 5832-4

5720-0045 110 mm left
5720-0040 110 mm right
5720-0047 90 mm left
5720-0042 90 mm right

MUTARS® GenuX® MK coupling *N

mat.: *implavit*®, $CoCrMo$ acc. to ISO 5832-12

5720-1210

MUTARS® locking mechanism M-O-M

mat.: *implavit*®, $CoCrMo$ acc. to ISO 5832-12

5720-1212

screw for coupling

mat.: *implavit*®, $TiAl_6V_4$ acc. to with TiN coating
5720-1201 \varnothing 3,5 mm

MUTARS® end piece

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3
5860-0001

MUTARS® MK proximal tibia *S

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3 with TiN-coating, *implavit*®, $CoCrMo$ acc. to ISO 5832-4
5750-0005

(screws 5750-0106, 2 pices)

MUTARS® connecting part for mod. Prox. Tibia MK

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5750-0105 105 mm
5750-0125 125 mm



MUTARS® MK Implants



tibial stem cementless, length: 120 mm
 mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3
 5750-1512 12 mm
 5750-1513 13 mm
 5750-1514 14 mm
 5750-1515 15 mm
 5750-1516 16 mm



tibial stem cemented, length: 120 mm *N
 mat.: *implavit*®, *CoCrMo* acc. to ISO 5832-4
 5750-0511 11
 5750-0513 13
 5750-0515 15



tibial stem cemented with TiN-coating and HA-collar, length: 120 mm *N
 mat.: *implavit*®, *CoCrMo* acc. to ISO 5832-4
 5759-1211 11
 5759-1213 13
 5759-1215 15
 with locking Holes for \varnothing 4,5mm screws



KRI M-O-M
 mat.: *implavit*®, *CoCrMo* acc. to ISO 5832-4
 5720-0048 rechts
 5720-0043 links



screw for KRI, M8
 mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3
 5720-2508 25 mm
 5720-5008 50 mm



patella replacement, cemented
 mat.: *UHMW-PE* acc. to ISO 5832-4
 5720-1000 standard
 5720-1001 large



GenuX® MK offset adapter
 mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3
 5751-0000 0 mm
 5751-0002 2 mm
 5751-0004 4 mm
 5751-0006 6 mm



GenuX® MK MB PE-Inlay
 mat.: *UHMW-PE* acc. to ISO 5832-4
 5721-0102 size 2
 5721-0103 size 3
 5721-0104 size 4
 5721-0105 size 5



GenuX® MK FB PE-Inlay
 mat.: *UHMW-PE* acc. to ISO 5832-4
 5721-0202 size 2
 5721-0203 size 3
 5721-0204 size 4
 5721-0205 size 5



MUTARS® attachment tube
 mat.: *Polyethylenterephthalat*
 5900-0300 \varnothing : 35mm
 5900-0310 \varnothing : 55mm



GenuX® MK stem cementless HA
 mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3 with HA-coating acc. to ISO 13779-2
 5767-1212 12 x 125 mm
 5767-1412 14 x 125 mm
 5767-1612 16 x 125 mm
 5767-1812 18 x 125 mm
 5767-2012 20 x 125 mm
 5767-2212 22 x 125 mm
 5767-2412 24 x 125 mm
 5767-2612 26 x 125 mm
 5767-2812 28 x 125 mm
 5767-1215 12 x 150 mm
 5767-1415 14 x 150 mm
 5767-1615 16 x 150 mm
 5767-1815 18 x 150 mm
 5767-2015 20 x 150 mm
 5767-2215 22 x 150 mm
 5767-1220 12 x 200 mm*
 5767-1420 14 x 200 mm*
 5767-1620 16 x 200 mm*
 5767-1820 18 x 200 mm*
 5767-2020 20 x 200 mm*
 5767-2220 22 x 200 mm*
 5767-1225 12 x 250 mm*
 5767-1425 14 x 250 mm*
 5767-1625 16 x 250 mm*
 5767-1825 18 x 250 mm*
 5767-2025 20 x 250 mm*
 5767-2225 22 x 250 mm*
 *with locking Holes for \varnothing 4,5mm screws



GenuX® MK stem cemented *N
 mat.: *implavit*®, *CoCrMo* acc. to ISO 5832-4
 5766-1112 11 x 125 mm
 5766-1312 13 x 125 mm
 5766-1512 15 x 125 mm
 5766-1712 17 x 125 mm
 5766-1912 19 x 125 mm
 5766-1115 11 x 150 mm
 5766-1315 13 x 150 mm
 5766-1515 15 x 150 mm
 5766-1715 17 x 150 mm
 5766-1915 19 x 150 mm
 5766-1120 11 x 200 mm*
 5766-1320 13 x 200 mm*
 5766-1520 15 x 200 mm*
 5766-1720 17 x 200 mm*
 5766-1920 19 x 200 mm*
 5766-1125 11 x 250 mm*
 5766-1325 13 x 250 mm*
 5766-1525 15 x 250 mm*
 5766-1725 17 x 250 mm*
 5766-1925 19 x 250 mm*
 *with locking Holes for \varnothing 4,5mm screws



GenuX® MK femoral component cemented *N
 mat.: *implavit*®, *CoCrMo* acc. to ISO 5832-4
 5720-0505 left size 2
 5720-0500 right size 2
 5720-0515 left size 3
 5720-0510 right size 3
 5720-0525 left size 4
 5720-0520 right size 4
 5720-0535 left size 5
 5720-0530 right size 5



GenuX® MK femoral component cementless *N
 mat.: *implavit*®, *CoCrMo* acc. to ISO 5832-4
 5720-1405 left size 2
 5720-1400 right size 2
 5720-1415 left size 3
 5720-1410 right size 3
 5720-1425 left size 4
 5720-1420 right size 4
 5720-1435 left size 5
 5720-1430 right size 5



MK femoral spacer posterior (incl. screw)
 mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3
 5722-2005 Größe 2 5 mm
 5722-2010 Größe 2 10 mm
 5722-3005 Größe 3 5 mm
 5722-3010 Größe 3 10 mm
 5722-4005 Größe 4 5 mm
 5722-4010 Größe 4 10 mm
 5722-5005 Größe 5 5 mm
 5722-5010 Größe 5 10 mm

MUTARS® MK Implants

MK Femoral spacer distal (incl. screw)

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5722-5205	ll/rm	size 2	5 mm
5722-5200	ll/rm	size 2	10 mm
5722-0205	rl/lm	size 2	5 mm
5722-0200	rl/lm	size 2	10 mm
5722-5305	ll/rm	size 3	5 mm
5722-5300	ll/rm	size 3	10 mm
5722-0305	rl/lm	size 3	5 mm
5722-0300	rl/lm	size 3	10 mm
5722-5405	ll/rm	size 4	5 mm
5722-5400	ll/rm	size 4	10 mm
5722-0405	rl/lm	size 4	5 mm
5722-0400	rl/lm	size 4	10 mm
5722-5505	ll/rm	size 5	5 mm
5722-5500	ll/rm	size 5	10 mm
5722-0505	rl/lm	size 5	5 mm
5722-0500	rl/lm	size 5	10 mm

MK screw for spacer

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3
5720-1216

GenuX® MK tibial component cemented incl. safety screw

+ screw for coupling *N
mat.: *implavit*®, *CoCrMo* acc. ISO 5832-4

5751-0602	size 2
5751-0603	size 3
5751-0604	size 4
5751-0605	size 5

GenuX® MK tibial component cementless incl. safety screw

+ screw for coupling *N
mat.: *implavit*®, *CoCrMo* acc. ISO 5832-4

5751-0702	size 2
5751-0703	size 3
5751-0704	size 4
5751-0705	size 5

MK tibial spacer (incl. MK screw) *S

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5740-5052	ll/rm	size 2	5 mm
5740-5053	ll/rm	size 3	5 mm
5740-5054	ll/rm	size 4	5 mm
5740-5055	ll/rm	size 5	5 mm
5741-0052	rl/lm	size 2	5 mm
5741-0053	rl/lm	size 3	5 mm
5741-0054	rl/lm	size 4	5 mm
5741-0055	rl/lm	size 5	5 mm
5740-5102	ll/rm	size 2	10 mm
5740-5103	ll/rm	size 3	10 mm
5740-5104	ll/rm	size 4	10 mm
5740-5105	ll/rm	size 5	10 mm
5741-0102	rl/lm	size 2	10 mm
5741-0103	rl/lm	size 3	10 mm
5741-0104	rl/lm	size 4	10 mm
5741-0105	rl/lm	size 5	10 mm
5740-5152	ll/rm	size 2	15 mm
5740-5153	ll/rm	size 3	15 mm
5740-5154	ll/rm	size 4	15 mm
5740-5155	ll/rm	size 5	15 mm
5741-0152	rl/lm	size 2	15 mm
5741-0153	rl/lm	size 3	15 mm
5741-0154	rl/lm	size 4	15 mm
5741-0155	rl/lm	size 5	15 mm
5740-5202	ll/rm	size 2	20 mm
5740-5203	ll/rm	size 3	20 mm
5740-5204	ll/rm	size 4	20 mm
5740-5205	ll/rm	size 5	20 mm
5741-0202	rl/lm	size 2	20 mm
5741-0203	rl/lm	size 3	20 mm
5741-0204	rl/lm	size 4	20 mm
5741-0205	rl/lm	size 5	20 mm
5740-0252		size 2	25 mm
5740-0352		size 2	35 mm
5740-0452		size 2	45 mm
5740-0253		size 3	25 mm
5740-0353		size 3	35 mm
5740-0453		size 3	45 mm
5740-0254		size 4	25 mm
5740-0354		size 4	35 mm
5740-0454		size 4	45 mm
5740-0255		size 5	25 mm
5740-0355		size 5	35 mm
5740-0455		size 5	45 mm

RS proximal component *S

incl. safety screw
mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

6710-1527	127°	32 mm
6710-1535	135°	32 mm
6710-1627	127°	42 mm
6710-1635	135°	42 mm

RS metaphyseal component

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3 with HA-coating acc. to ISO 13779-2

6730-4121	40 mm
6730-5121	50 mm
6730-4221	40 mm small
6730-5221	50 mm small

RS Extension piece

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3 with HA-coating acc. to ISO 13779-2

6730-0125	25 mm
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RS screw, M8

Mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3 with HA-coating acc. to ISO 13779-2

6720-4008	40 mm
6720-5008	50 mm
6720-6508	65 mm
6720-7508	75 mm
6720-9008	90 mm
6720-1008	100 mm
6720-1158	115 mm
6720-1258	125 mm

RS stem**, cementless

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3 with HA-coating acc. to ISO 13779-2

6762-1512	12 x 150 mm
6762-1514	14 x 150 mm
6762-1516	16 x 150 mm
6762-1518	18 x 150 mm
6762-1520	20 x 150 mm
6762-2012	12 x 200 mm
6762-2014	14 x 200 mm
6762-2016**	16 x 200 mm
6762-2018**	18 x 200 mm
6762-2020**	20 x 200 mm
6762-2514	14 x 250 mm
6762-2516	16 x 250 mm
6762-2518**	18 x 250 mm
6762-2520**	20 x 250 mm

*with locking Holes for Ø 4,5mm screws

RS stem extra slim, cementless

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3 acc. to HA-coating acc. to ISO 13779-2

6764-1514HA	14 x 190 mm
6764-2014HA	14 x 240 mm

RS stem, cemented *N

mat.: *implavit*®, *CoCrMo* acc. to ISO 5832-4

6760-1212	12 x 120 mm
6760-1412	14 x 120 mm
6760-1612	16 x 120 mm
6760-1812	18 x 120 mm
6760-1215	12 x 150 mm
6760-1415	14 x 150 mm
6760-1615	16 x 150 mm
6760-1815	18 x 150 mm
6761-1220	12 x 200 mm
6761-1420	14 x 200 mm
6761-1620	16 x 200 mm
6761-1820	18 x 200 mm

screw for RS adapter, M8

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5792-0060	60 mm
5792-0080	80 mm
5792-0100	100 mm
5792-0120	120 mm
5792-0140	140 mm

MUTARS® MK Implants



RS coupling device 30 mm *S

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3
5772-0030

Spezial revision adapters for competitive systems are available on demand!



cortical screw, Ø: 4,5 mm

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5792-4525	25 mm
5792-4530	30 mm
5792-4540	40 mm
5792-4542	42 mm
5792-4545	45 mm
5792-4550	50 mm
5792-4555	55 mm
5792-4560	60 mm



intramedullary connecting Module *S for KRI, Ø: 15mm, cementless

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5720-5100	100 mm
5720-5120	120 mm
5720-5140	140 mm
5720-5160	160 mm
5720-5180	180 mm
5720-5200	200 mm
5720-5220	220 mm
5720-5240	240 mm
5720-5260	260 mm
5720-5280	280 mm
5720-5300	300 mm
5720-5320	320 mm
5720-5340	340 mm
5720-5360	360 mm



intramedullary connecting Module *S for GenuX® MK, Ø: 15mm, cementless

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5721-6100	100 mm
5721-6120	120 mm
5721-6140	140 mm
5721-6160	160 mm
5721-6180	180 mm
5721-6200	200 mm
5721-6220	220 mm
5721-6240	240 mm
5721-6260	260 mm
5721-6280	280 mm
5721-6300	300 mm
5721-6320	320 mm
5721-6340	340 mm
5721-6360	360 mm
5721-6380	380 mm
5721-6400	400 mm
5721-6420	420 mm
5721-6440	440 mm



tapered stem, cementless, L: 130mm

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3

5760-2014	14 mm
5760-2015	15 mm
5760-2016	16 mm
5760-2017	17 mm
5760-2018	18 mm
5760-2019	19 mm
5760-2020	20 mm
5760-2021	21 mm
5760-2022	22 mm
5760-2023	23 mm



intramedullary plug

mat.: UHMW-PE acc. to ISO 5834-2

0299-4000	small	medullary cavity $\geq \varnothing$: 9 mm
0299-4010	large	medullary cavity $\geq \varnothing$: 14 mm



ic- cerclage 8mm

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3
0060-1018



ic-bipolar head CoCrMo

mat.: *implavit*®, CoCrMo acc. to ISO 5832-12 and ISO 5832-4 and UHMW-PE acc. to ISO 5834-2

2151-0044	28/44 mm
2151-0046	28/46 mm
2151-0048	28/48 mm
2151-0050	28/50 mm
2151-0052	28/52 mm
2151-0054	28/54 mm
2151-0056	28/56 mm
2151-0058	28/58 mm
2151-0060	28/60 mm



ic-head CoCrMo

mat.: *implavit*®, CoCrMo acc. to ISO 5832-12

2312-2200	22 mm, K
2312-2205	22 mm, M
2312-2210	22 mm, L
2387-2800	28 mm, K
2387-2805	28 mm, M
2387-2810	28 mm, L
2387-2815	28 mm, XL
2387-3200	32 mm, K
2387-3205	32 mm, M
2387-3210	32 mm, L
2387-3215	32 mm, XL
2387-3600	36 mm, K
2387-3605	36 mm, M
2387-3615	36 mm, L



ic-head Titan

mat.: *implatan*®, $TiAl_6V_4$ acc. to ISO 5832-3 with TiN-coating

2787-2800	28 mm, K
2787-2805	28 mm, M
2787-2810	28 mm, L
2787-2815	28 mm, XL
2787-3200	32 mm, K
2787-3205	32 mm, M
2787-3210	32 mm, L
2787-3215	32 mm, XL
2787-3600	36 mm, K
2787-3605	36 mm, M
2787-3610	36 mm, L
2787-3615	36 mm, XL



ic-head BioloX® forte

mat.: Al_2O_3 acc. to ISO 6474-1

2587-2800	28 mm, K
2587-2805	28 mm, M
2587-2810	28 mm, L
2587-3200	32 mm, K
2587-3205	32 mm, M
2587-3210	32 mm, L
2587-3600	36 mm, K
2587-3605	36 mm, M
2587-3610	36 mm, L
2587-3615	36 mm, XL



ic-head BioloX® delta

mat.: Al_2O_3 and ZrO_2 acc. to ISO 6474-2

2586-2800	28 mm, K
2586-2805	28 mm, M
2586-2810	28 mm, L
2586-3200	32 mm, K
2586-3205	32 mm, M
2586-3210	32 mm, L
2586-3600	36 mm, K
2586-3605	36 mm, M
2586-3610	36 mm, L
2586-3615	36 mm, XL



ic-head revision BioloX® delta

mat.: Al_2O_3 and ZrO_2 acc. to ISO 6474-2 and $TiAl_6V_4$ acc. to ISO 5832-3

2588-2800	28 mm, K
2588-2805	28 mm, M
2588-2810	28 mm, L
2588-2815	28 mm, XL
2588-3200	32 mm, K
2588-3205	32 mm, M
2588-3210	32 mm, L
2588-3215	32 mm, XL
2588-3600	36 mm, K
2588-3605	36 mm, M
2588-3610	36 mm, L
2588-3615	36 mm, XL

MUTARS® MK Implants



MUTARS® GenuX® MK femoral component Mono-block, cemented

mat.: *implavit*®, CoCrMo acc. to ISO 5832-4

5720-0402	2/10 mm left
5720-0415	3/11 mm left
5720-0425	4/12 mm left
5720-0435	5/13 mm left

5720-0412	2/10 mm right
5720-0410	3/11 mm right
5720-0420	4/12 mm right
5720-0430	5/13 mm right



MUTARS® GenuX® MK tibial component Monoblock cemented Incl. safety screw + locking screw

mat.: *implavit*, CoCrMo acc. to ISO 5832-4

5751-0402	2/10 mm
5751-0400	3/11 mm
5751-0405	4/12 mm
5751-0410	5/13 mm



LUMiC® cup

incl. safety screw

mat.: *implatan*®, TiAl₆V₄ acc. to ISO 5832-3

5711-0050	50 mm
5711-0054	54 mm
5711-0160	60 mm
5711-0060S	60 mm silver
5711-0250	50 mm HA
5711-0254	54 mm HA
5711-0260	60 mm HA



LUMiC® stem, cementless

mat.: *implatan*®, TiAl₆V₄ acc. to ISO 5832-3 with HA-coating

5711-1865	8 x 65 mm
5711-1875	8 x 75 mm
5711-1885	8 x 85 mm
5711-1065	10 x 65 mm
5711-1075	10 x 75 mm
5711-1085	10 x 85 mm



LUMiC® stem, cemented

mat.: *implavit*®, CoCrMo₄ acc. to ISO 5832-4

5711-2865	8 x 65 mm
5711-2875	8 x 75 mm
5711-2885	8 x 85 mm



LUMiC® screw, M6

mat.: *implavit*®, TiAl₆V₄ acc. to ISO 5832-3

5711-1002	28 mm
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EcoFit® 2M head

mat.: UHMW-PE to ISO 5832-4

2906-2238	Ø 22/38 mm
2906-2240	Ø 22/40 mm
2906-2842	Ø 28/42 mm
2906-2844	Ø 28/44 mm
2906-2846	Ø 28/46 mm
2906-3248	Ø 32/48 mm
2906-3250	Ø 32/50 mm
2906-3252	Ø 32/52 mm
2906-3254	Ø 32/54 mm
2906-3256	Ø 32/56 mm
2906-3258	Ø 32/58 mm



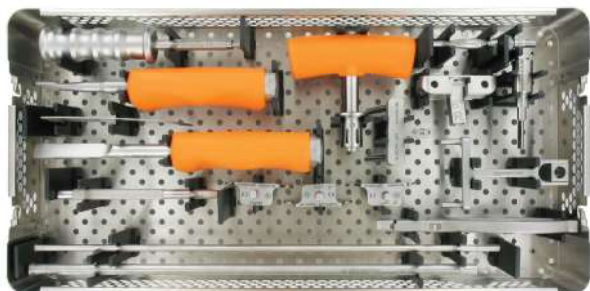
2M implacross® E head

mat.: *implacross*® E, crosslinked UHMW-PE with vitamin E

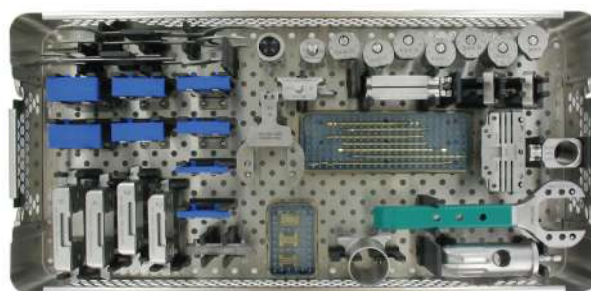
2905-2238	Ø 22/38 mm
2905-2240	Ø 22/40 mm
2905-2842	Ø 28/42 mm
2905-2844	Ø 28/44 mm
2905-2846	Ø 28/46 mm
2905-3248	Ø 32/48 mm
2905-3250	Ø 32/50 mm
2905-3252	Ø 32/52 mm
2905-3254	Ø 32/54 mm
2905-3256	Ø 32/56 mm
2905-3258	Ø 32/58 mm

MUTARS® MK Instruments

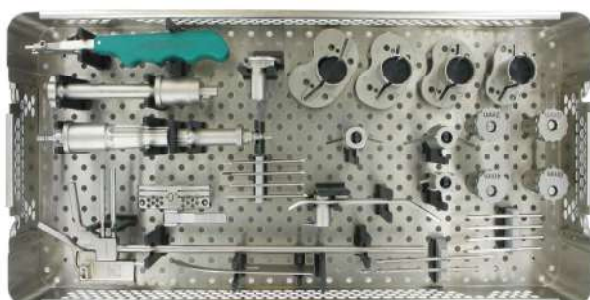
C.2 MUTARS® Instruments



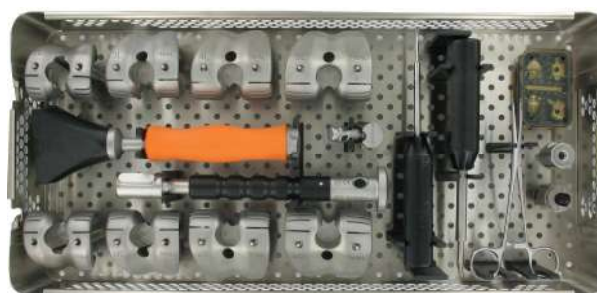
MK basic container
7999-5800



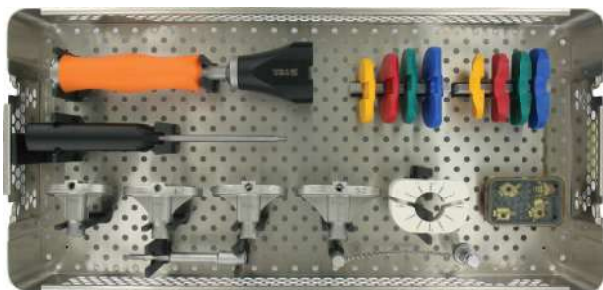
MK femoral container
7999-5801



MK tibial container
7999-5802



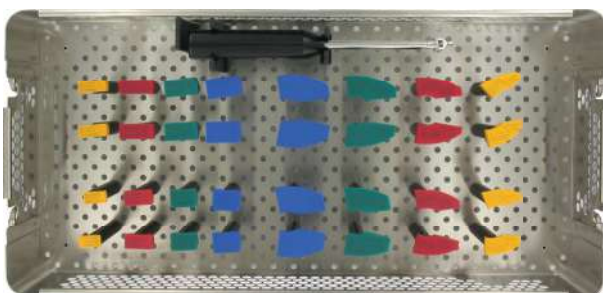
MK femoral trial container
7999-5803



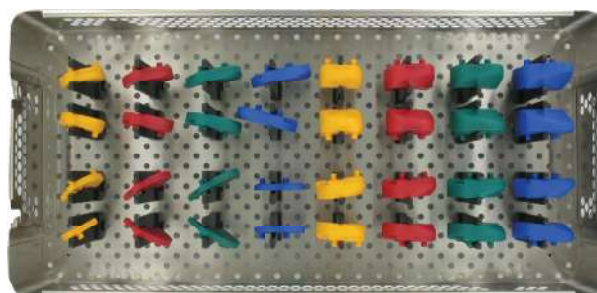
MK tibial trial container
7999-5804



MK trial stem container
7999-5805

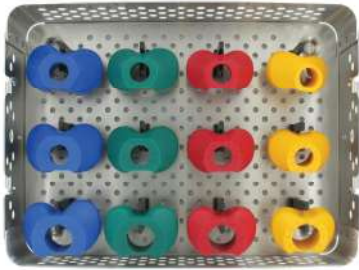


MK femoral trail spacer container
7999-5807

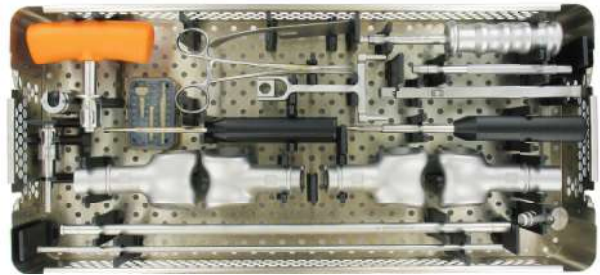


MK tibial trial spacer container
7999-5808

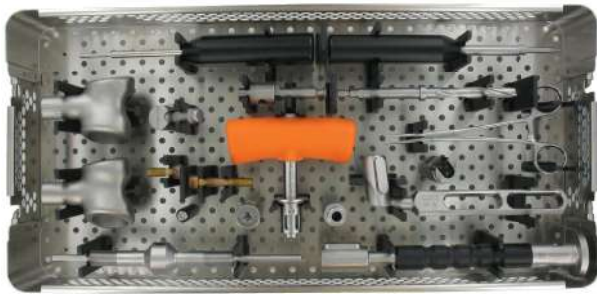
MUTARS® MK Instruments



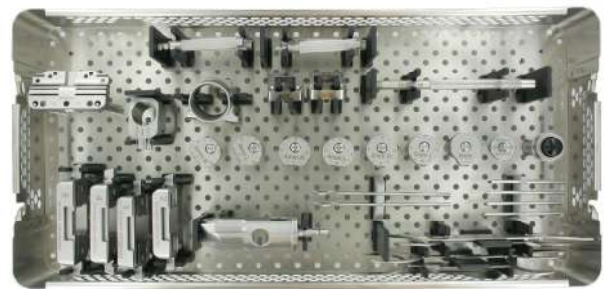
MK tibial trial spacer bicondylary container
7999-5809



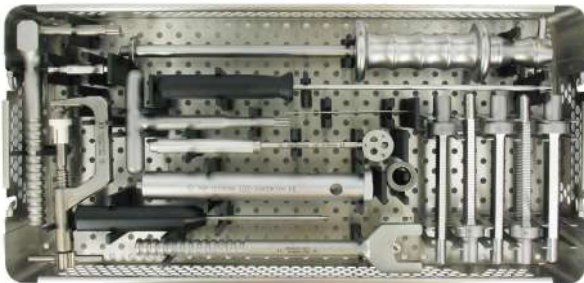
MUTARS® distal femoral MK basic container
7999-5821



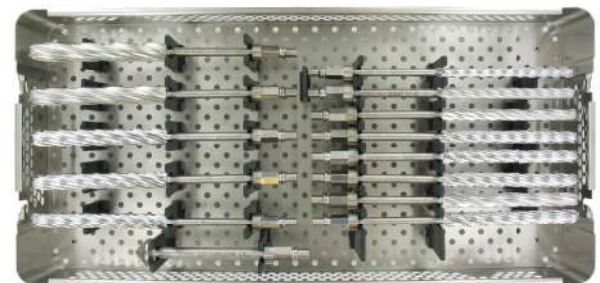
MUTARS® KRI MK container
7999-5829



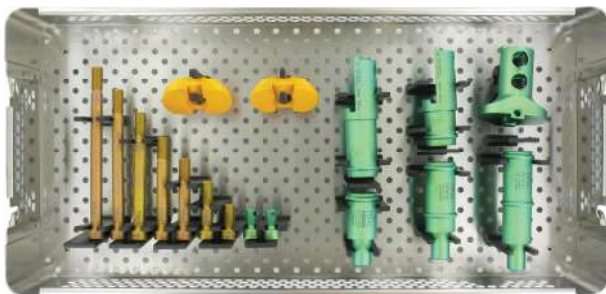
MUTARS® proximal tibia MK femoral container
7999-5833



MUTARS® proximal tibia MK basic container
7999-5834



MUTARS® proximal tibia MK drill container
7999-5835

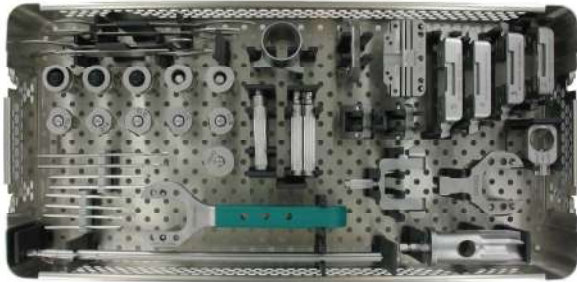


MUTARS® proximal tibia MK trial container
7999-5836

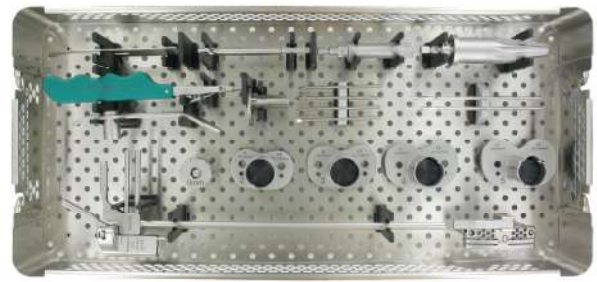


MUTARS® proximale tibia MK trial stem container
7999-5837

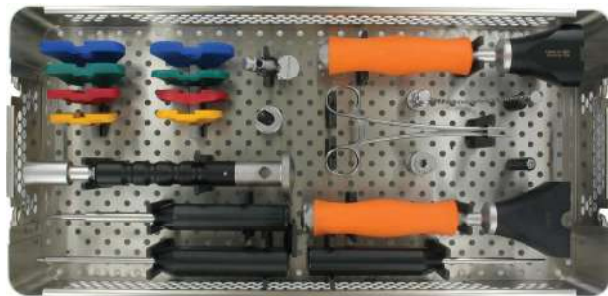
MUTARS® MK Instruments



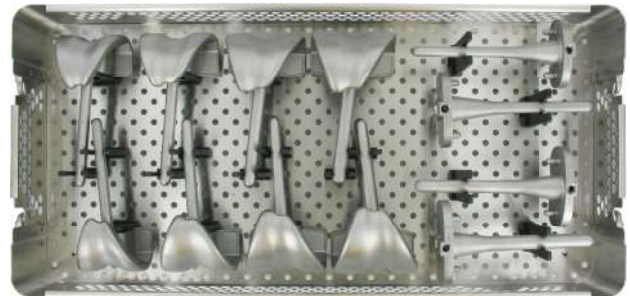
GenuX® MK monoblock femoral container
7999-5840



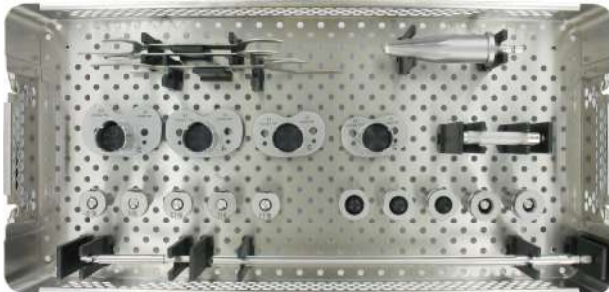
GenuX® MK monoblock tibial container
7999-5841



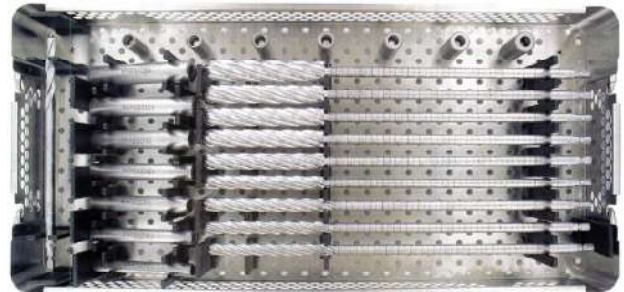
GenuX® MK monoblock trial container 1
7999-5842



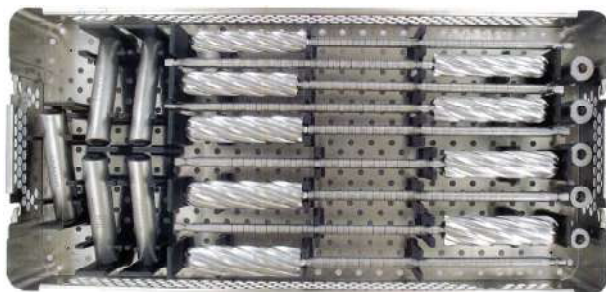
GenuX® MK monoblock trial container 2
7999-5843



GenuX® MK monoblock extensioncontainer
7999-5844



Rigid drill container 1
7999-5774

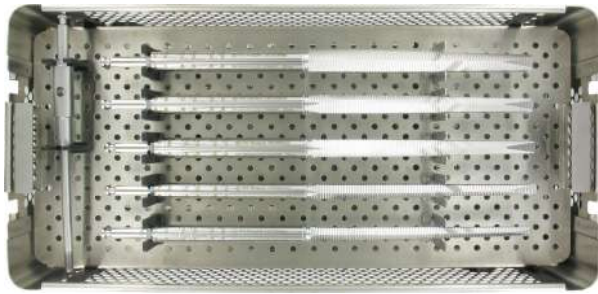


Rigid drill container 2
7999-5775

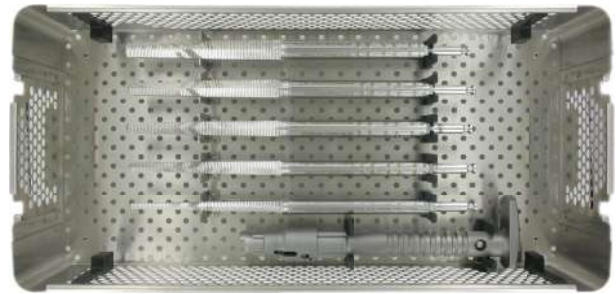


Rigid drill container 3
7999-5776

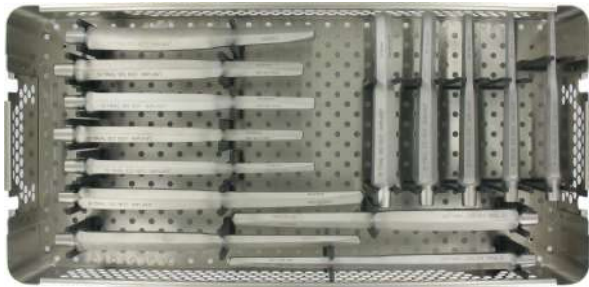
MUTARS® MK Instruments



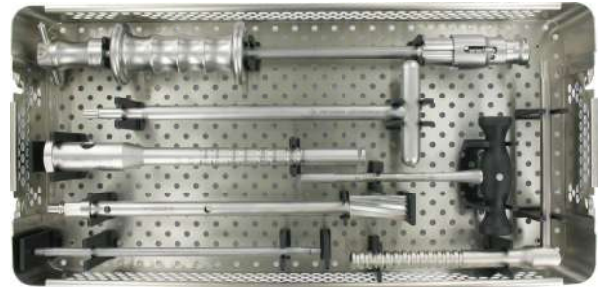
**MUTARS® RS broach container
upper tray**
7999-6721



**MUTARS® RS broach container
lower tray**
7999-6721



**MUTARS® RS trial stem
container**
7999-6724



**MUTARS® RS ES
container 2**
7999-6715



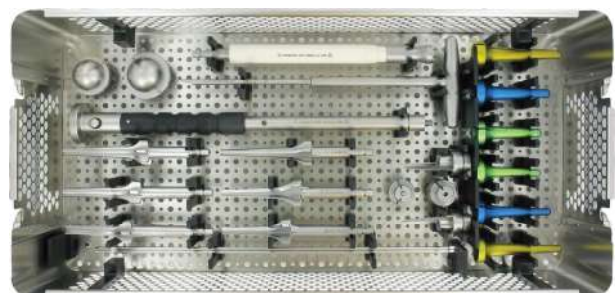
**MUTARS® IMFR KRI trial container
upper tray**
7999-7720



**MUTARS® IMFR KRI trial container
lower tray**
7999-7720

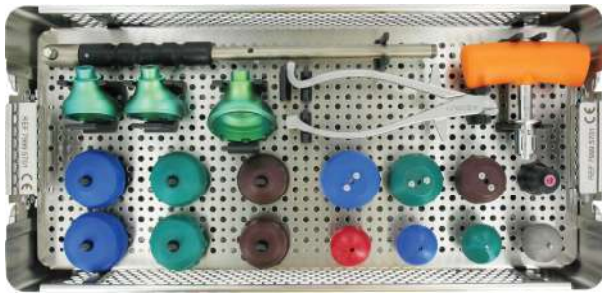


**MUTARS® patella
container**
7999-5745

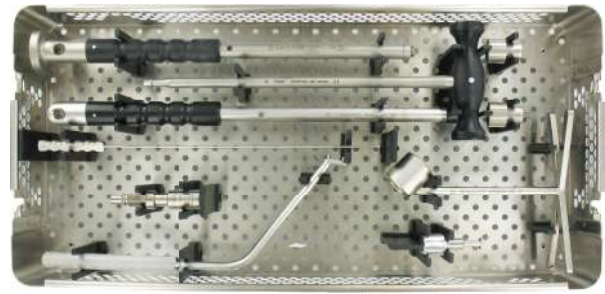


**MUTARS® LUMiC® container 1
lower tray**
7999-5701

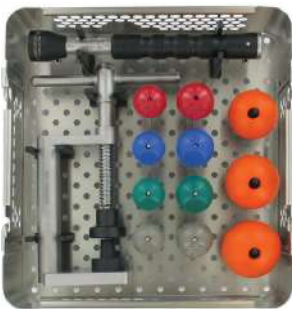
MUTARS® MK Instruments



**MUTARS® LUMiC® container 1
upper tray**
7999-5701



**MUTARS® LUMiC®
container 2**
7999-5702



**MUTARS® 2M trial LUMiC®
container**
7999-5703



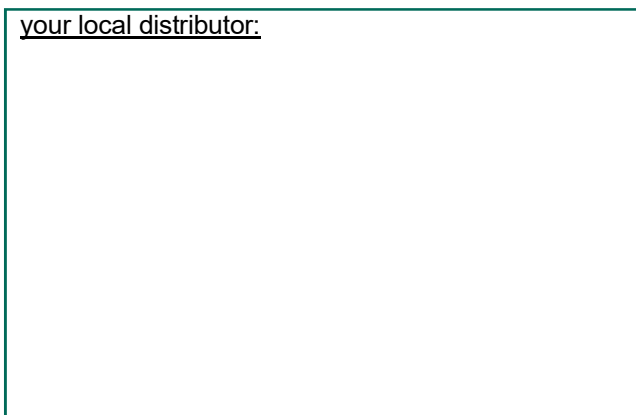
**stem assembling
container**
7999-5770



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