

GMK REVISION SYSTEM

Screw fixed tibial augmentation 15 and 20 mm

This document is an addendum to the GMK REVISION System surgical technique (Ref. 99.27s.12 and 99.27s.12US).

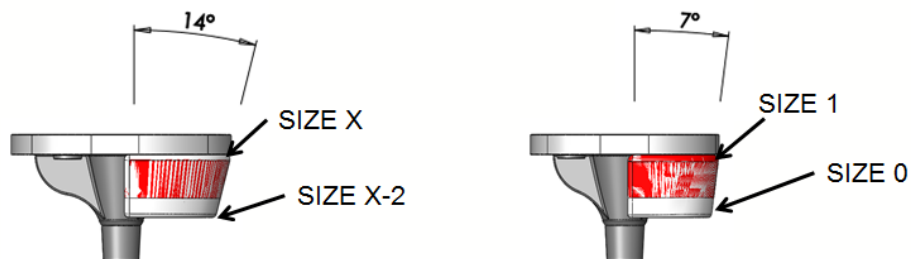
CLINICAL INDICATIONS

The metal augmentations have been designed to allow the surgeon to selectively fill bone deficiencies and to aid in adjusting the height of the joint line. In addition, these augments can help to achieve a stable fixation between the implant and the bone.

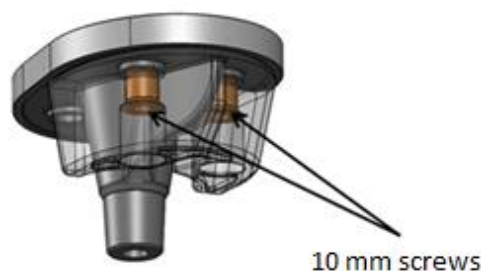
The current product range consists of tibial wedge with a thickness of 5mm and 10mm. Two additional sizes have been introduced: 15mm and 20 mm.

For these sizes the augments have been tapered. The covered distal area is smaller by two sizes than the proximal area (except size 1, which is 1 size smaller).

As the tibial baseplate is asymmetric, two configurations are available: right medial/left lateral and left medial/right lateral.



They are fixed to the tibial baseplate using two 10mm screws (Ref. 75.53.0132).



SURGICAL TECHNIQUE

For the previous surgical steps please refer to the GMK REVISION System surgical technique (ref. 99.27s.12 and ref. 99.27s.12US).

Tibial augments (option)


In case of bone loss, specific metal augmentations can be inserted under the tibial baseplate, either on medial, lateral or both sides. The following table is a summary of the available tibial augmentations.


| TIBIAL AUGMENTATION | |
|---------------------|---------------|
| Thickness (mm) | Size |
| 5 | 0-1-2-3-4-5-6 |
| 10 | 0-1-2-3-4-5-6 |
| 15 | 1-2-3-4-5-6 |
| 20 | 1-2-3-4-5-6 |

The horizontal cuts for the tibial wedges can be carried out through dedicated slots on the tibial cutting block.



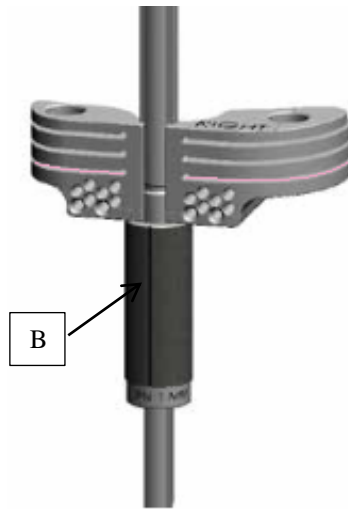
Tibial cutting block (left knee)

 5 mm tibial wedge

 10 mm tibial wedge

To perform the 15 mm and 20 mm tibial resections, assemble the 0 mm tibial stylus on the tibial cutting guide, position the stylus on the less worn side of the tibia plateau and turn the micrometric screw (B) respectively 5 and 10 rounds.

NOTICE: 1 round of the micrometric screw corresponds to 1mm translation.



Perform the resection using the most distal slot of the cutting block (pink line).

A tibial baseplate size X fits trial tibial augments size X and X-1.

When assembling a trial tibial component, monoblock 5 mm, 15 mm and 20 mm trial tibial augments are available. To simulate a 10 mm tibial augment clip two 5 mm provisional augments together.

For the next surgical steps please refer to the GMK REVISION System surgical technique (ref. 99.27s.12 and ref. 99.27s.12US).

IMPLANT NOMENCLATURE

| TIBIAL AUGMENTATION SCREW FIXED 15 mm | | | | |
|---------------------------------------|--|-----------------|--|------------------|
| Size | Reference – Stainless steel <small>*Must not be coupled with TiNbN coated tibial implants</small> | | Reference – Ti6Al4V <small>*Can be used with TiNbN coated and uncoated implants</small> | |
| | 1 | 02.09.TA115RMLL | 02.09.TA115LMRL | 02.09.8TA115RMLL |
| 2 | 02.09.TA215RMLL | 02.09.TA215LMRL | 02.09.8TA215RMLL | 02.09.8TA215LMRL |
| 3 | 02.09.TA315RMLL | 02.09.TA315LMRL | 02.09.8TA315RMLL | 02.09.8TA315LMRL |
| 4 | 02.09.TA415RMLL | 02.09.TA415LMRL | 02.09.8TA415RMLL | 02.09.8TA415LMRL |
| 5 | 02.09.TA515RMLL | 02.09.TA515LMRL | 02.09.8TA515RMLL | 02.09.8TA515LMRL |
| 6 | 02.09.TA615RMLL | 02.09.TA615LMRL | 02.09.8TA615RMLL | 02.09.8TA615LMRL |
| TIBIAL AUGMENTATION SCREW FIXED 20 mm | | | | |
| Size | Reference – Stainless steel <small>*Must not be coupled with TiNbN coated tibial implants</small> | | Reference – Ti6Al4V <small>*Can be used with TiNbN coated and uncoated implants</small> | |
| | 1 | 02.09.TA120RMLL | 02.09.TA120LMRL | 02.09.8TA120RMLL |
| 2 | 02.09.TA220RMLL | 02.09.TA220LMRL | 02.09.8TA220RMLL | 02.09.8TA220LMRL |
| 3 | 02.09.TA320RMLL | 02.09.TA320LMRL | 02.09.8TA320RMLL | 02.09.8TA320LMRL |
| 4 | 02.09.TA420RMLL | 02.09.TA420LMRL | 02.09.8TA420RMLL | 02.09.8TA420LMRL |
| 5 | 02.09.TA520RMLL | 02.09.TA520LMRL | 02.09.8TA520RMLL | 02.09.8TA520LMRL |
| 6 | 02.09.TA620RMLL | 02.09.TA620LMRL | 02.09.8TA620RMLL | 02.09.8TA620LMRL |

INSTRUMENTATION NOMENCLATURE

| TRIAL TIBIAL AUGMENTATION 02.07s.AUGCOMPLTIB | | |
|--|---|----------|
| Reference | Description | Quantity |
| 02.07.10.4674 | Revision trial tibial spacer S1 - 15mm | 2 |
| 02.07.10.4675 | Revision trial tibial spacer S2 - 15mm | 2 |
| 02.07.10.4676 | Revision trial tibial spacer S3 - 15mm | 2 |
| 02.07.10.4677 | Revision trial tibial spacer S4 - 15mm | 2 |
| 02.07.10.4678 | Revision trial tibial spacer S5 - 15mm | 2 |
| 02.07.10.4679 | Revision trial tibial spacer S6 - 15mm | 2 |
| 02.07.10.4680 | Revision trial tibial spacer S1 - 20mm | 2 |
| 02.07.10.4681 | Revision trial tibial spacer S2 - 20mm | 2 |
| 02.07.10.4682 | Revision trial tibial spacer S3 - 20mm | 2 |
| 02.07.10.4683 | Revision trial tibial spacer S4 - 20mm | 2 |
| 02.07.10.4684 | Revision trial tibial spacer S5 - 20mm | 2 |
| 02.07.10.46785 | Revision trial tibial spacer S6 - 20mm | 2 |
| 02.07.10.8111 | GMK Revision-Hinge Tray Tibial Augmentation 15-20 | 1 |

Part numbers subject to change.

NOTE FOR STERILISATION

The instrumentation is not sterile upon delivery. It must be cleaned before use and sterilized in an autoclave respecting the regulations of the country, EU directives where applicable and following the instructions for use of the autoclave manufacturer.

For detailed instructions, please refer to the document “Recommendations for cleaning decontamination and sterilization of Medacta International reusable orthopaedic devices” available at www.medacta.com.

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