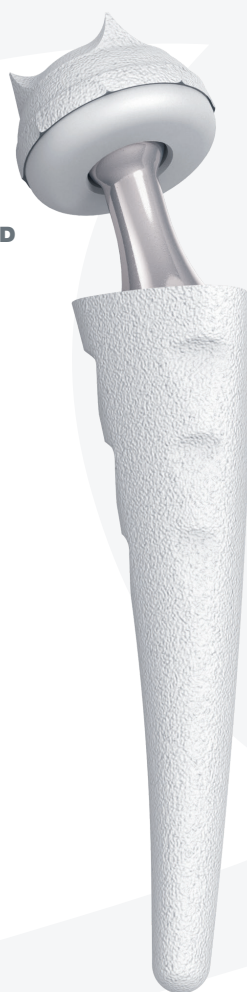


TRAPEZIOMETACARPAL JOINT PROSTHESIS

MAÏA™

STANDARD



DUAL MOBILITY



SURGICAL TECHNIQUE



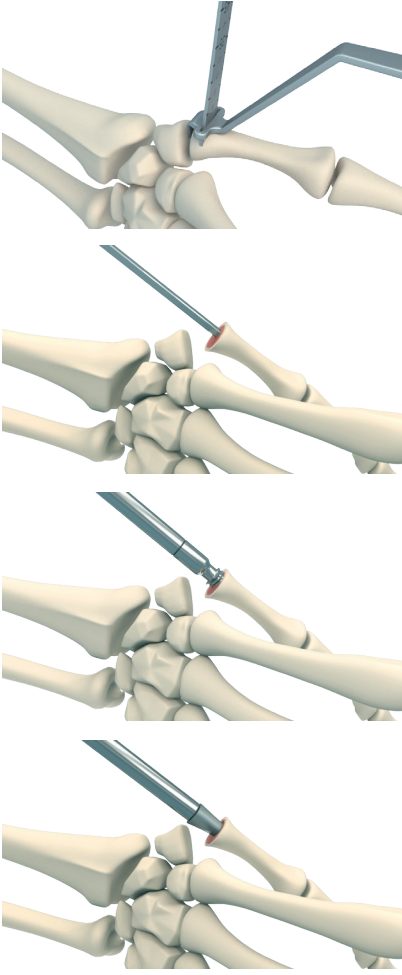
groupe lépine

Depuis 1714

SURGICAL APPROACH

- A lateral approach approximately 3-cm long centered over the trapeziometacarpal joint is required.
- The incision is located between the extensor pollicis brevis (EPB) and the abductor pollicis longus (APL).
- Start with a rectangular capsular flap with dorsal hinge to expose the base of the metacarpal, alongside the APL, and then expose the trapezium. Protect the radial artery.

METACARPAL PREPARATION



- Resect 5 mm from the base of the metacarpal.
- Remove the metacarpal fragment and then locate the medullary canal using the awl. Resect any osteophytes.
- Use successively larger rasps until you find one that fits tightly in the metacarpal and is in line with the cut surface. This will indicate the size of the implanted stem.
- Insert a trial stem to protect the metacarpal bone.

MATERIALS USED

MAIA METACARPAL CUTTING GUIDE M100 6000

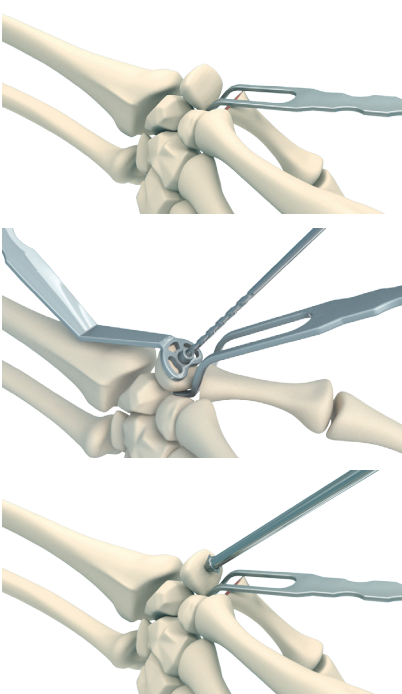
MATERIALS USED

MAIA RASP M100 51xx

MATERIALS USED

MAIA TRIAL STEM M100 50xx

TRAPEZIUM PREPARATION



- Use the viper retractor to expose the trapezium. Resect the horns and the medial osteophytes (if applicable).
- Use the trapezial centering guide and the Ø2 drill bit to prepare the entry point for the conical reamer.
- Use the conical reamer to start preparing the bone.

MATERIALS USED

MAIA VIPERED RETRACTOR M100 7100

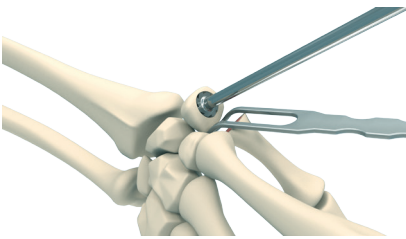
MATERIALS USED

MAIA TRAPEZIAL CENTERING GUIDE M100 7000
GRADUATED DRILL VISIOFIX Ø2 OVAMG020

MATERIALS USED

MAIA CONICAL REAMER M100 6300
or POWERED CONICAL REAMER Ø7 M100 6507*

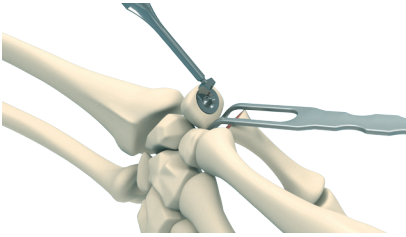
TRAPEZIUM PREPARATION



- Use the spherical reamer matching the selected size of the cup.

MATERIALS USED

MAIA SPHERICAL REAMER	M100 61xx
or POWERED SPHERICAL REAMER	M100 64xx*



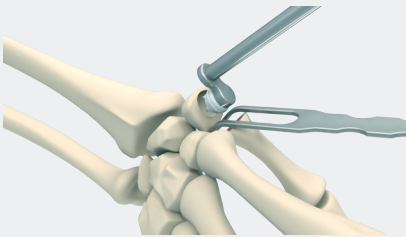
- Use the trial cup matching the selected size of the cup.

MATERIALS USED

MAIA TRIAL CUP Ø9	M100 6009
or MAIA TRIAL CUP Ø8 / Ø10	M100 6810

IMPLANTATION THE FINAL CUP

STANDARD CUP OPTION

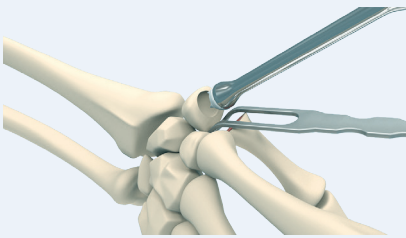


- Insert the final cup. Make sure it is positioned with a 30° angle to the axis of the 2nd metacarpal in the sagittal and frontal planes.

MATERIALS USED

MAIA CUP HOLDER	M100 6010
-----------------	-----------

DUAL MOBILITY OPTION

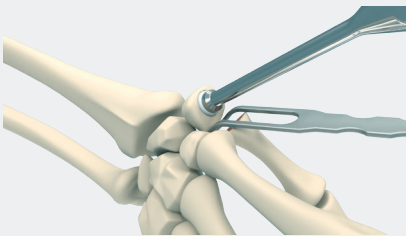


- This positioning requirement is less critical when using the dual mobility cup considering the self-correction provided by the mobile insert.

MATERIALS USED

DUAL MOBILITY HOLDER Ø9 / Ø10	M100 8019
or DUAL MOBILITY HOLDER Ø8	M100 8008

STANDARD CUP OPTION

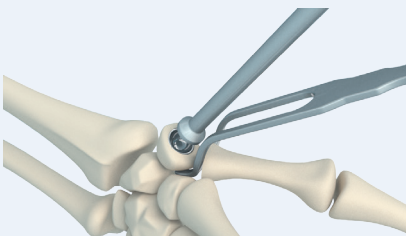


- Carefully impact the cup using light hammer taps.

MATERIALS USED

MAIA CUP STRAIGHT IMPACTOR	M100 6011
----------------------------	-----------

DUAL MOBILITY OPTION

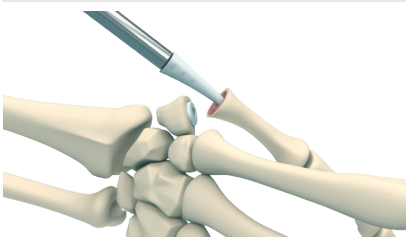


- Make sure the positioning of the implanted cup is correct and stable.
- **Note:** A set of sterile joints is available in the instrumentation set should the one on the cup holder need to be replaced.

MATERIALS USED

DUAL MOBILITY CUP IMPACTOR	M100 8011
----------------------------	-----------

IMPLANTATION THE FINAL STEM



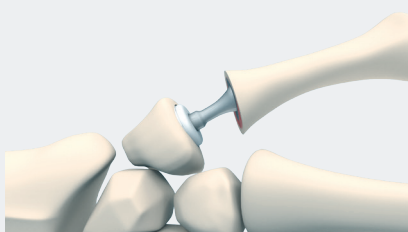
- Remove the trial stem, and then insert the final stem into the medullary canal in line with the cut surface, while maintaining the palmar curvature.

MATERIALS USED

MAIA STEM IMPACTOR/EXTRACTOR	M100 6200
------------------------------	-----------

TRIAL AND IMPLANTATION OF THE NECK

STANDARD CUP OPTION

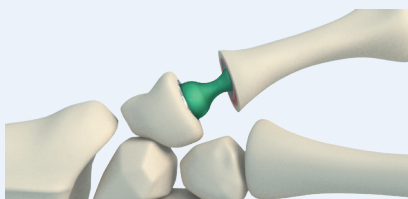


- Use the trial modular neck to set the proper length and orientation of the neck, and obtain the best possible motion and stability for the whole prosthesis.

MATERIALS USED

MAIA NECK HOLDER PLIERS	M100 6201
MAIA STRAIGHT TRIAL NECK	M100 560x
MAIA OFFSET TRIAL NECK	M100 561x

DUAL MOBILITY OPTION

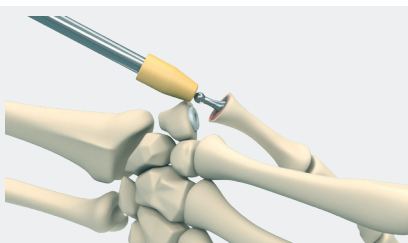


- If using the dual mobility cup, choose the neck length giving stability to the prosthesis.

MATERIALS USED

MAIA NECK HOLDER PLIERS	M100 6201
DUAL MOBILITY TRIAL NECK Ø9 / Ø10	M100 569x
or DUAL MOBILITY TRIAL NECK Ø8	M100 568x

STANDARD CUP OPTION

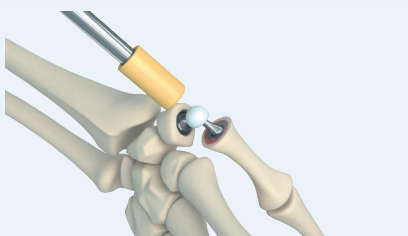


- Position and impact the final neck piece before reduction.

MATERIALS USED

HANDLE M6	M100 6002
MAIA NECK IMPACTOR	M100 6210

DUAL MOBILITY OPTION



Make sure the cup is dry before reducing the prosthetic joint!

MATERIALS USED

HANDLE M6	M100 6002
DUAL MOBILITY NECK IMPACTOR	M100 8210

CLOSURE AND POSTOPERATIVE COURSE

- Dorsalize the APL (horizontal mattress suture).
- Close the flap.
- Close the skin leaving the suture ends exposed.
- Immobilize with the thumb spread away from the hand for 6 weeks. Self rehabilitation is usually satisfactory afterwards.

*AVAILABLE UPON SPECIAL REQUEST ONLY

Designation

POWERED CONICAL REAMER
MAIA CANNULATED CONICAL REAMER
POWERED SPHERICAL REAMER Ø8
POWERED SPHERICAL REAMER Ø9

Ref.

M100 6507
M100 6400
NS0137.516
M100 6409

These items are only available upon special request when placing a firm order. They are not included in the kits or in standard shipments, and may require additional delivery time.

lépine Algérie

9 rue philosophe Tabrizi
Les sources
Bir Mourad Rais - ALGER
lepine-algerie@groupe-lepine.com

lépine Italia

Via Cassanese 100,
20090 Segrate (Milano)
lepine-italia@groupe-lepine.com

lépine Ibérica

J.J. Tadeo Murguía, 3 y 5 Bajos
20304 IRÚN (GUIPÚZCOA)
lepine-iberica@groupe-lepine.com

lépine Maroc

79 avenue IBN SINA
10080 RABAT - AGDAL
lepine-maroc@groupe-lepine.com

175 rue Jacquard - CS 50307
69727 Genay Cedex - FRANCE
Tél. +33 (0)4 72 33 02 95
Fax +33 (0)4 72 35 96 50

www.groupe-lepine.com



groupe lépine

Depuis 1714