

M-Vizion® MONOBLOC

FEMORAL REVISION SYSTEM



Surgical Technique

Joint

Spine

Sports Med

TABLE OF CONTENTS

1. INTRODUCTION	4
1.1 Indications of use	4
1.2 Contraindications	4
1.3 Pre-operative planning	4
1.4 Surgical Approach	4
2. FEMORAL NECK OSTEOTOMY/PRIMARY STEM REMOVAL	5
3. ACCESSING THE FEMORAL CANAL	5
4. DISTAL REAMING	6
5. DISTAL STEM TRIALING	7
6. PROXIMAL REAMING	9
7. PROXIMAL BODY TRIALING	11
8. TRIAL REDUCTION	12
9. PROXIMAL TRIAL COMPONENT REPOSITIONING	13
10. REMOVAL OF TRIAL COMPONENTS	14
11. FINAL IMPLANT	15
12. REMOVAL PROCEDURE	15
13. IMPLANTS NOMENCLATURE	16

1. INTRODUCTION

This document describes the recommended surgical technique for the M-Vizion Monobloc stem.



The M-Vizion Monobloc is a cementless stem made of Ti-Al-Nb alloy. The stem is coated in the proximal part with Mectagrip, an innovative coating which provides high friction and scratch-fit feel, and it is sandblasted distally.

Carefully read the instructions for use and contact your local Medacta representative should you have any questions concerning product compatibility.

1.1 INDICATIONS OF USE

The M-Vizion Monobloc is designed for use in total or partial hip arthroplasty to provide increased patient mobility and reduced pain by replacing the damaged hip joint, in primary or revision surgery.

Total hip arthroplasty is indicated in the following cases:

- Severely painful and/or disabled joint as a result of arthrosis, traumatic arthritis, rheumatoid polyarthritis, or congenital hip dysplasia
- Avascular necrosis of the femoral head
- Acute traumatic fracture of the femoral head or neck
- Failure of previous hip surgery: joint reconstruction, internal fixation, arthrodesis, partial hip arthroplasty, hip resurfacing replacement, or total hip arthroplasty.

1.2 CONTRAINDICATIONS

Total or partial hip arthroplasty is contraindicated in the following cases:

- Acute, systemic or chronic infection
- Skeletal immaturity
- Severe muscular, neurological, vascular deficiency or other pathologies of the affected limb that may compromise the function of the implant
- Bone condition that may compromise the stability of the implant

Mental or neuromuscular disorders may create an unacceptable risk to the patient and can be a source of post-operative complications.

It is the surgeon's responsibility to ensure that the patient has no known allergy to the materials used.

1.3 PRE-OPERATIVE PLANNING

Careful preoperative planning is essential. It will help the surgeon to pre-select the implant sizes in order to recreate the patient's joint biomechanics as closely as possible.

In addition, using the set of X-ray templates (with the same magnification of the patient's X-ray), it will be possible to determine:

- The implant components size
- The prosthetic centre of rotation
- The level of the neck cut (in case of primary surgery)
- The head size

WARNING

The final implant will be selected intra-operatively, because of possible discrepancies between actual conditions and templating.

1.4 SURGICAL APPROACH

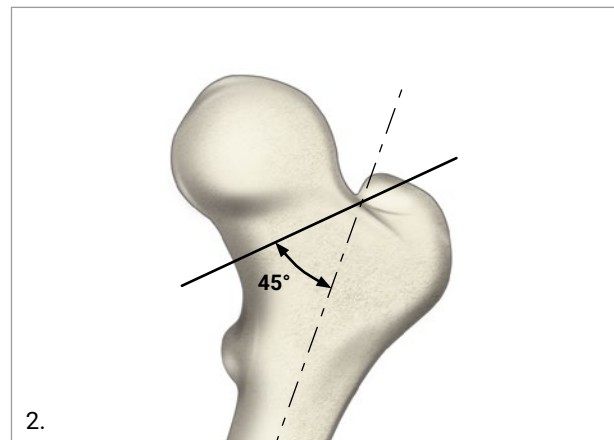
The choice of surgical approach is up to the surgeon. The instrumentation has been developed for a conventional approach.

2. FEMORAL NECK OSTEOTOMY/PRIMARY STEM REMOVAL

In primary surgery cases, the level of the neck cut is determined during pre-operative planning using the X-ray templates.

The recommended femoral neck osteotomy angle is 45° to the diaphyseal axis of the femur. The resection is performed with an oscillating saw, taking care to maintain the 45° angle. The femoral head is removed using an extractor.

In revision surgery cases, proceed with existing implant removal. For both cemented and cementless stems, specific extraction instruments are available to aid the removal of any pre-existing implant and debris.



3. ACCESSING THE FEMORAL CANAL

To gain access to the medullary canal, the thigh is held in the position that provides the best exposure of the diaphyseal axis, depending on the selected approach.

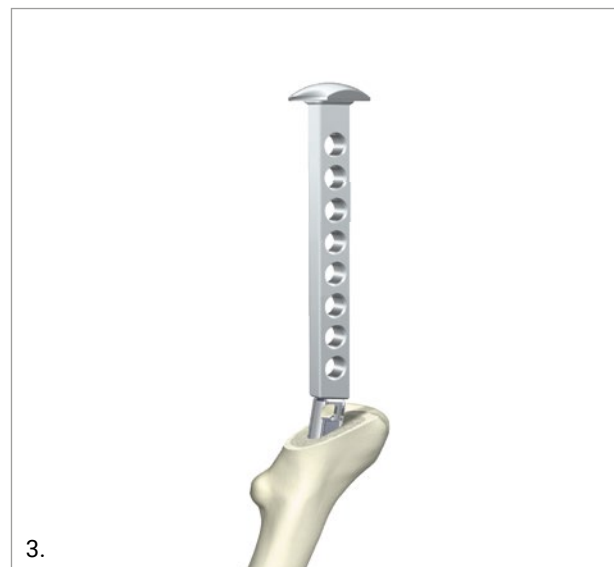
In primary surgery cases, to avoid undersizing and varus positions of the stem, a box chisel is applied opposite the digital fossa of the femoral neck.

Guide the chisel with a slight anteversion. This removes a block of cancellous bone.

TRICK

To ensure that the stem is at the correct depth within the femur, make sure that the reamer axis is aligned with the femoral axis. If necessary remove some bone from the proximal region before fully inserting the reamer to allow it to find the correct alignment.

The angled chisel (reference 01.15.10.0224) is available as option.



4. DISTAL REAMING

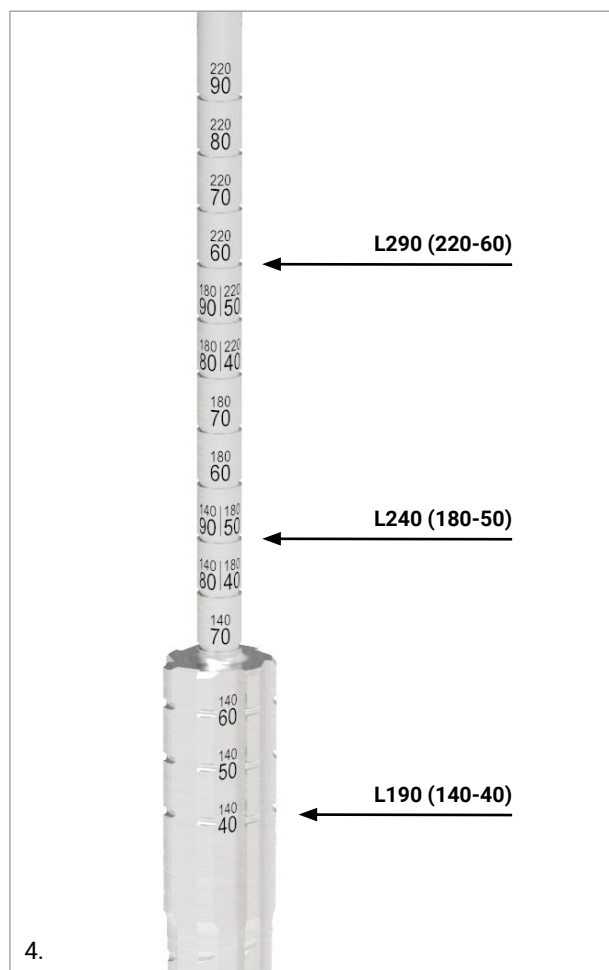
To prepare the femoral canal, use the distal reamers up to the size determined during the pre-operative planning of the distal component or until cortical contact is achieved. Distal reamers are available in 1 mm increments from 12 mm to 30 mm. Distal reamers are common for all the trial stem length 140 -180 -220 mm.

Ream the femur by hand using the dedicated T-handle until the reamer advances to the desired mark. This often corresponds to the height of the greater trochanter tip.

If you want to implant:

- L190, please use the distal reamer L140 mm and ream until the mark 140-40 (shoulder length) is reached.
- L240, please use the distal reamer L180 mm and ream until the mark 180-50 (shoulder length) is reached.
- L290, please use the distal reamer L180 mm and ream until the mark 220-60 (shoulder length) is reached.

See the image below and refer to chapter "Implants Nomenclature" for detailed length dimensions.



Ensure that a proper depth of reaming is achieved:

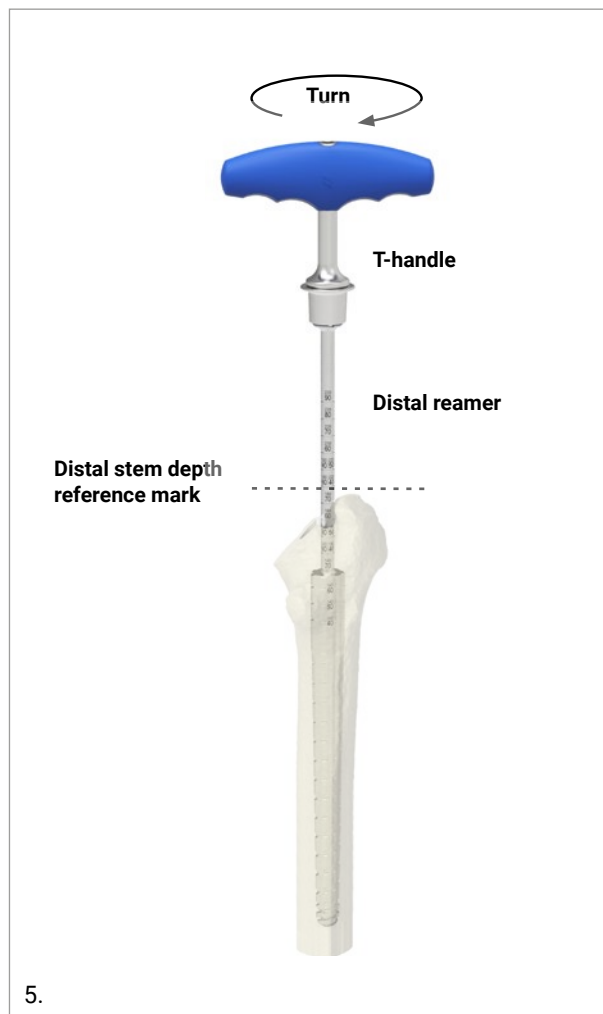
- Ream until "squeaking" or "chatter" is heard
- Use fluoroscopy or X-Ray if needed
- Check for cortical bone on the reamer

CAUTION

The use of distal reamers should be carefully weighed depending on bone quality. In revision surgery cases with compromised bone quality, be careful not to further weaken the bone tissue.

NOTE: the final implant is slightly oversized compared to the reamers in order to give some press-fit to achieve primary stability.

NOTE: marks on the distal reamer identify the height of the trial proximal body. These marks will also correspond to the centre of the head when a 'M' size is used.



5. DISTAL STEM TRIALING

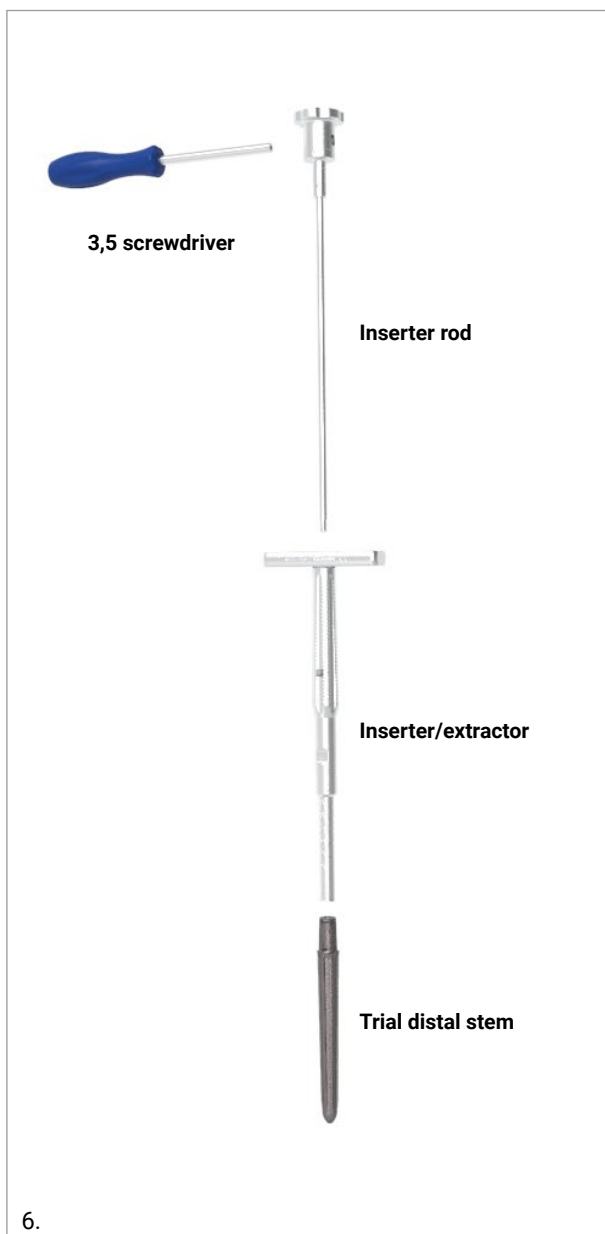
Once distal reaming is complete, select the trial distal stem of the same diameter as the final reamer.

Introduce the inserter rod into the inserter/extractor. Screw the assembly to the trial distal stem. Tighten the inserter rod using the short screwdriver. Using the short screwdriver, give the locking head an additional turn.

NOTE: When the marked line on the threaded rod is visible inside the window, all the components are correctly assembled. Please see fig.7.

OPTION

Assemble the instruments on the back table, keeping a vertical position as shown in the images.



NOTE: the trial stem has four fins and the distal stem has eight.

Insert the trial distal stem into the prepared femoral canal to the depth mark that matches the ream depth of the final reamer previously used. The depth marks on the inserter/extractor indicate the height of the chosen trial proximal body size. The trial proximal bodies are available in 3 lengths 40, 50 and 60 mm depending on chosen implant length (40 for implant L190, 50 for implant L240, 60 for implant L290, see table on pag.10).

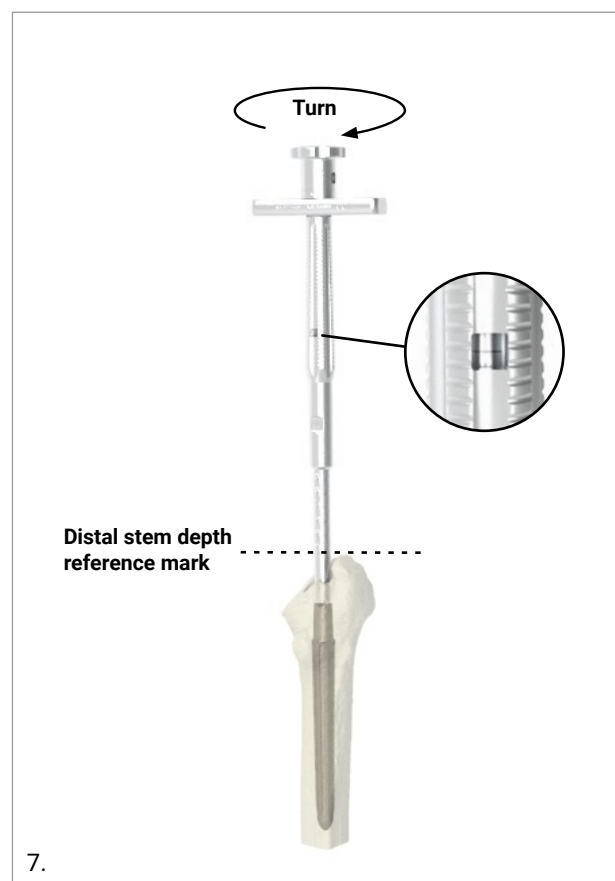
Check that the distal stem is stable both axially and in rotation.

Once the trial distal stem has been positioned at the desired level, the depth of the inserter/extractor can be recognized in reference to the tip of the greater trochanter, when the patient anatomy is appropriate. The depth marks on the inserter/extractor indicate the height of the trial proximal body to be used.

Unscrew the inserter rod and remove the distal stem inserter/extractor.

TRICK

Use the short screwdriver to ease the removal of the inserter rod.



OPTION

Whenever necessary, connect the Extractor Body to the inserter rod using the screw and use the gliding cylinder to extract the trial distal stem.



The extractor body is available as a standard option in the Medacta Stem Removal System (ref. 01.34S.402).

6. PROXIMAL REAMING

Assemble the threaded rod to the distal stem.

CAUTION

Be careful not to bend the threaded rod.

Slide the proximal reamer over the threaded rod and proceed along the femoral axis until the reamer is fully seated.

Ream the proximal femur with the proximal reamer of the selected diameter by hand using the dedicated T-handle.

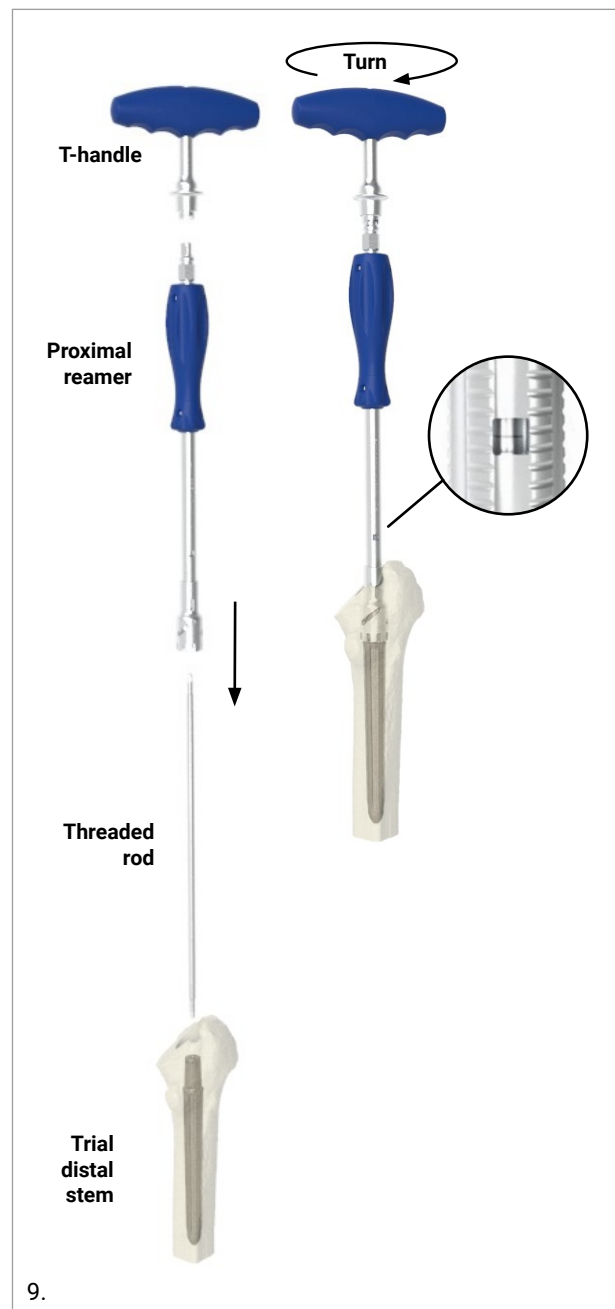
Proximal reamers are available in 2 mm increments from \varnothing 16 mm to 30 mm. The body proximal trials are available in 3 lengths 40, 50 and 60 mm.

Please refer to the table below for the proximal femur preparation. Use the proper proximal reamer diameter according to the distal trial stem already implanted.

If the stem sizes L240 or L290 is intended to be used, the distal reamer may already have prepared the proximal part. In these cases, the proximal reaming might be not necessary.

Once the reaming is complete, remove the proximal reamer leaving the threaded rod in place, attached to the distal stem.

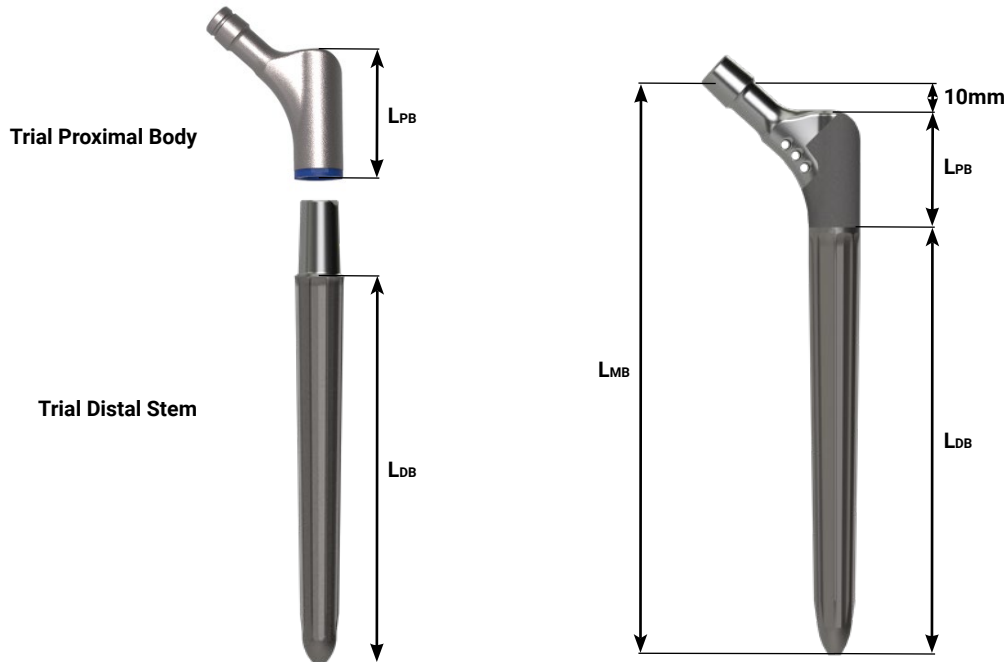
NOTE: When the marked line on the threaded rod is visible inside the window of the proximal reamer, all the components are correctly assembled.



9.

IMPLANTS-TRIALS COMPATIBILITY

Please note that L_{PB} (Proximal Body Trial) + L_{DB} (Distal Stem Trial) + 10 mm = L_{MB} (Definitive M-Vizion Monobloc Stem)



MONOBLOC STEM		TRIAL DISTAL STEM		TRIAL PROXIMAL BODY		PROXIMAL REAMER DIAMETER Ø
Diameter Ø	Length (L _{MB})	Diameter Ø	Length (L _{DB})	Diameter Ø	Length (L _{PB})	
12	190	12	140	16	40	16
13		13		16		16
14		14		16		18
15		15		16		18
16		16		20		20
17		17		20		20
18		18		20		22
19		19		20		22
20		20		24		24
21		21		24		24
22		22		24		26
22		240		22		180
12	12		16	16		
13	13		16	16		
14	14		16	18		
15	15		16	18		
16	16		20	20		
17	17		20	20		
18	18		20	22		
19	19		20	22		
20	20		24	24		
21	21		24	24		
22	22		24	26		
23	23	28	26			
24	24	28	28			
25	25	28	28			
26	26	28	30			

12	290	12	220	16	60	16
13		13		16		16
14		14		16		18
15		15		16		18
16		16		20		20
17		17		20		20
18		18		20		22
19		19		20		22
20		20		24		24
21		21		24		24
22		22		24		26
23		23		28		26
24		24		28		28
25		25		28		28
26	26	28	30			

7. PROXIMAL BODY TRIALING

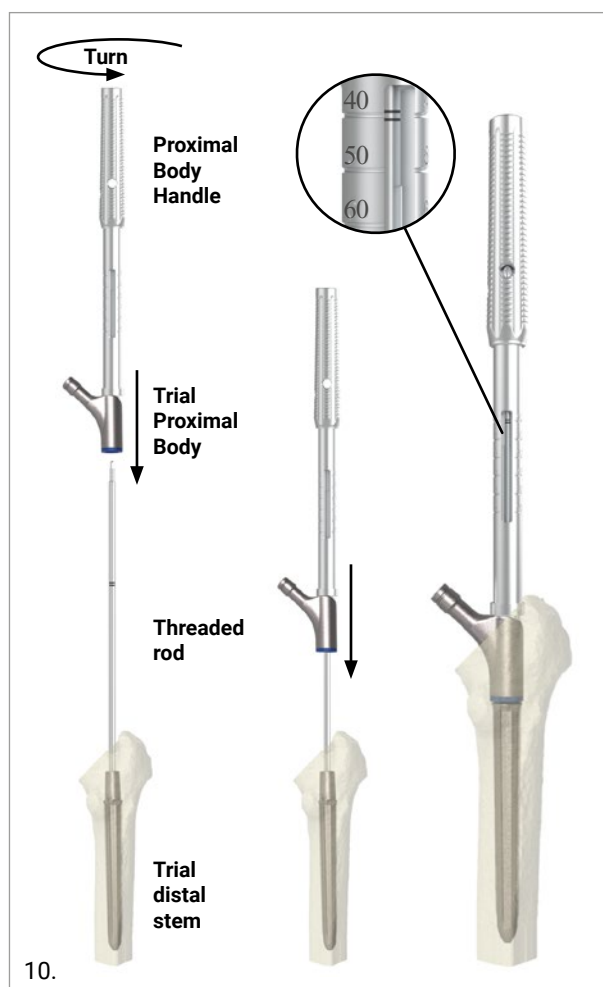
Once proximal reaming is complete, ensure that the taper junction of the trial distal stem is clean and dry. Select the trial proximal body of the chosen height and appropriate offset.

Connect the trial proximal body handle to the selected proximal body and slide the assembly on the threaded rod. Adjust the anteversion of the proximal body to the desired position.

Please note that for the dia. 16 trial proximal body must be assembled with the trial proximal body handle manually (figure 12).

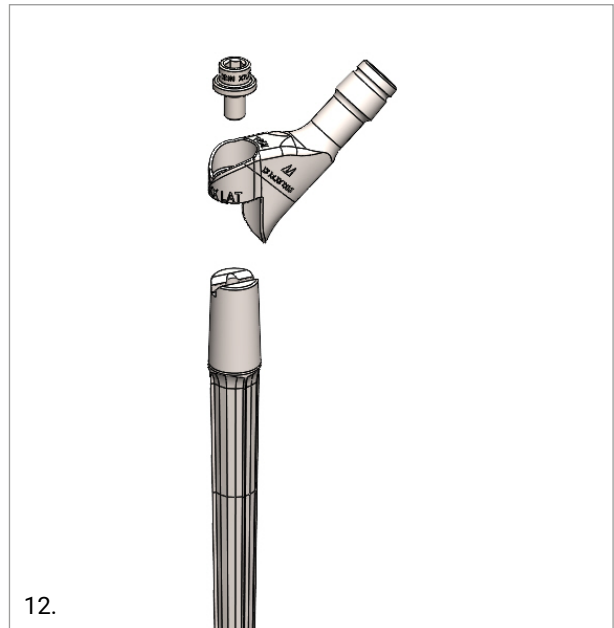
TIP

The laser-marked lines on the threaded rod, once visualized from the window of the proximal body handle, can be used as a reference to check the trial proximal body length to be used. Perform a visual check to identify the correct length.



Unscrew and remove the proximal body handle and the threaded rod.

In order to fix the proximal body to the distal stem, use the screwdriver to insert the trial locking screw, which is shorter than the actual implant and its surface has no coating.



8. TRIAL REDUCTION

Trial heads of different diameters and heights are available to perform the trial reductions. A trial head is fitted to the trial neck by pushing it onto the taper.

After placement of the trial or final acetabular component, the trial reduction is performed with the help of the head impactor.

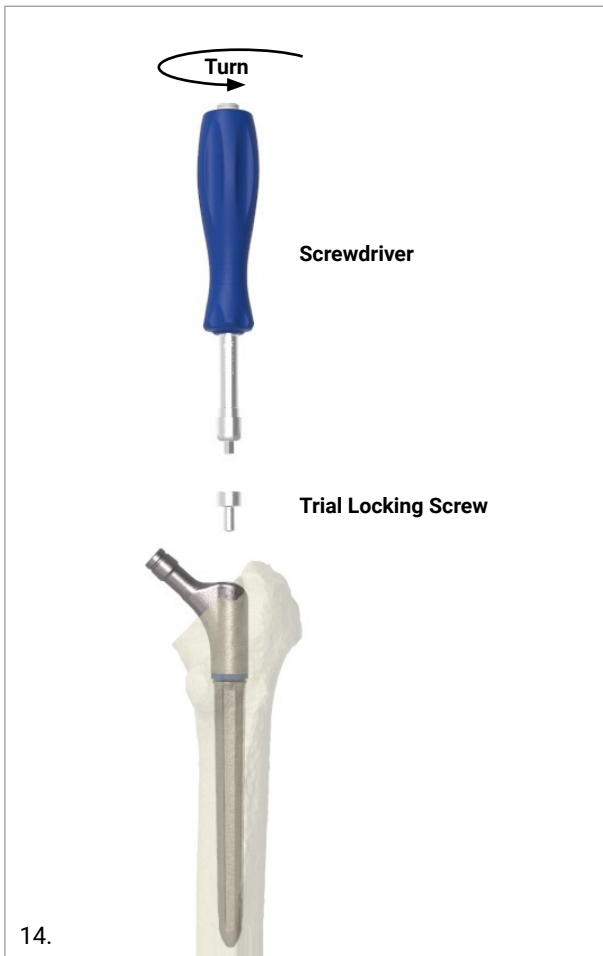
Simply pull the trial head to remove it.



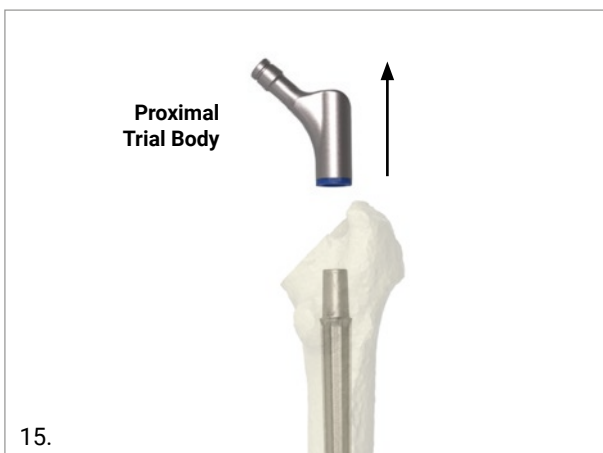
9. PROXIMAL TRIAL COMPONENT REPOSITIONING

After checking and testing mobility, joint stability and lower limb length, trial components can be repositioned and exchanged, if needed.

Use the screwdriver to remove the trial locking screw and consequently disassemble the trial proximal body.

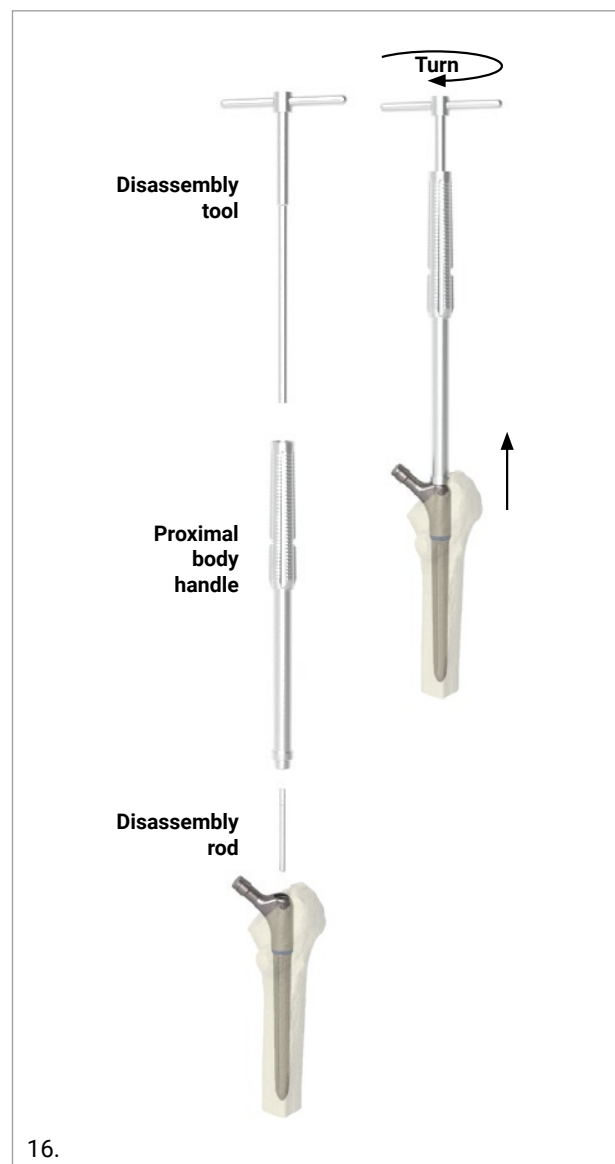


Remove the trial proximal body by hand.



OPTION

If the proximal body is stuck to the distal stem, please screw the proximal body handle in the proximal body. Insert the disassembly tool into the proximal body handle and turn it clockwise. While turning, the disassembly tool pushes against the disassembly rod and disengages the trial proximal body from the trial distal stem.



It is now possible to repeat the trial using another proximal trial body.

CAUTION

Please check the femoral preparation particularly in the calcar region. If needed a curette/rongeur/chisel may be of assistance to finish the calcar preparation.

10. REMOVAL OF TRIAL COMPONENTS

When the trial reduction is satisfactory, remove the trial components.

Use the screwdriver to unscrew the trial locking screw and consequently disassemble the trial proximal body. Remove the trial proximal body by hands.

In order to remove the trial distal on stembody, please slide the inserter rod through the inserter/extractor. Couple both components to the trial distal stem. Use the 3.5 screwdriver to complete the assembly by tightening the inserter rod.

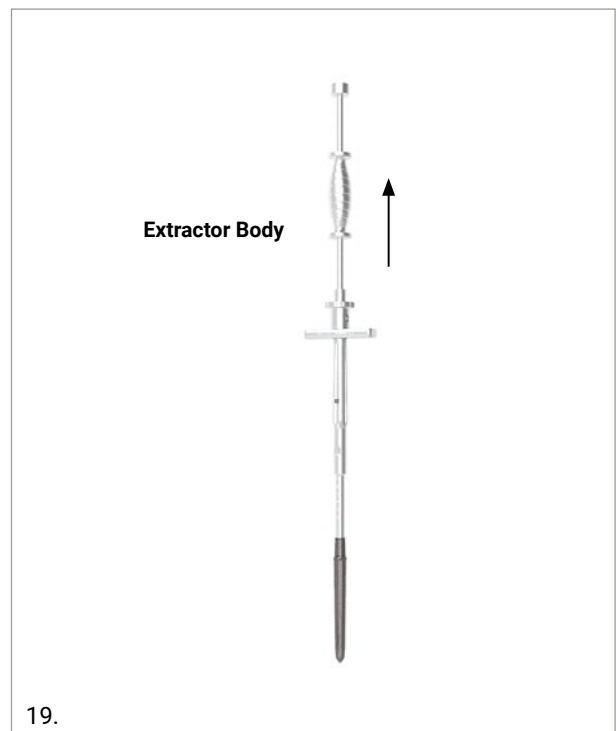


Remove the trial distal stem hitting the anvil of the inserter/extractor.



OPTION

Whenever necessary, connect the Extractor Body to the inserter rod using the screw and use the gliding cylinder to extract the trial distal stem.



11. FINAL IMPLANT

Implant the M-Vizion Monobloc stem into the femur manually. Use the stem impactor to place the stem in the desired position.

WARNING

Visually inspect the stem to make sure that no small scratches, indentations or surface damage have occurred, as this may be detrimental to the mechanical performance of the stem and may result in long term fracture of the device.

WARNING

Take care not to damage the taper's micro-thread while placing the final implant.



A further trial reduction can be performed with the trial heads to determine the final head size.

CAUTION

Metal head sizes XL (for Ø28 mm and Ø32 mm) and XXL (for Ø28 mm, Ø32 mm and Ø36 mm) have a collar which may decrease the Range of motion compared to shorter sizes. Always perform trial reduction with the chosen head.

The taper must be thoroughly cleaned before placing the prosthetic head.

Place the final head of the chosen size in position and fix it using the head impactor.

WARNING

Always impact the final head with the plastic head impactor provided for this purpose. The head should not be directly impacted with the mallet.

NOTE: for further details about ceramic femoral heads, please refer to the instructions for use for ceramic femoral heads.

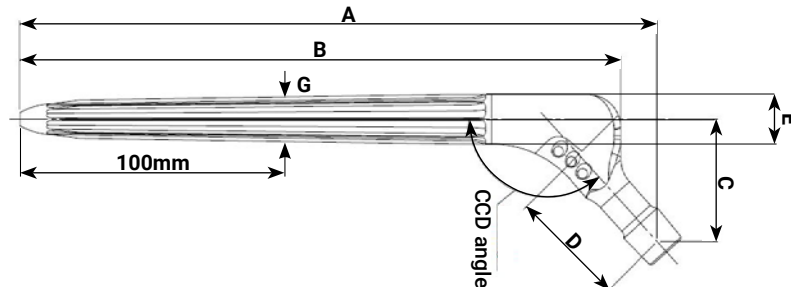
Reduce the hip.

12. REMOVAL PROCEDURE

For revision of the stem, please use the Screwed stem extractor M8.



13. IMPLANTS NOMENCLATURE



SIZE	REFERENCE	DESCRIPTION	CCD ANGLE	A (mm)	B SHOULDER LENGTH (mm)	C NECK OFFSET (mm)	D NECK LENGTH (mm)	Ø E (mm)	Ø G (mm)
L190	01.22.601	Monoblock stem ø12mm L 190mm STD	132°	192.6	181.6	37	35.4	15	12
	01.22.602	Monoblock stem ø13mm L 190mm STD	132°	192.6	181.6	37	35.4	16	13
	01.22.603	Monoblock stem ø14mm L 190mm STD	132°	192.6	181.6	37	35.4	17	14
	01.22.604	Monoblock stem ø15mm L 190mm STD	132°	192.6	181.6	37	35.4	18	15
	01.22.605	Monoblock stem ø16mm L 190mm STD	132°	192.6	181.6	37	35.4	19	16
	01.22.606	Monoblock stem ø17mm L 190mm STD	132°	192.6	181.6	37	35.4	20	17
	01.22.607	Monoblock stem ø18mm L 190mm STD	132°	192.6	181.6	37	35.4	21	18
	01.22.608	Monoblock stem ø19mm L 190mm STD	132°	192.6	181.6	37	35.4	22	19
	01.22.609	Monoblock stem ø20mm L 190mm STD	132°	192.6	181.6	37	35.4	23	20
	01.22.610	Monoblock stem ø21mm L 190mm STD	132°	192.6	181.6	37	35.4	24	21
	01.22.611	Monoblock stem ø22mm L 190mm STD	132°	192.6	181.6	37	35.4	25	22
	01.22.612 ¹	Monoblock stem ø23mm L 190mm STD	132°	192.6	181.6	37	35.4	26	23
	01.22.613 ¹	Monoblock stem ø24mm L 190mm STD	132°	192.6	181.6	37	35.4	27	24
	01.22.614 ¹	Monoblock stem ø25mm L 190mm STD	132°	192.6	181.6	37	35.4	28	25
	01.22.615 ¹	Monoblock stem ø26mm L 190mm STD	132°	192.6	181.6	37	35.4	29	26
	01.22.701	Monoblock stem ø12mm L 190mm LAT	132°	192.6	181.6	43	39.65	15	12
	01.22.702	Monoblock stem ø13mm L 190mm LAT	132°	192.6	181.6	43	39.65	16	13
	01.22.703	Monoblock stem ø14mm L 190mm LAT	132°	192.6	181.6	43	39.65	17	14
	01.22.704	Monoblock stem ø15mm L 190mm LAT	132°	192.6	181.6	43	39.65	18	15
	01.22.705	Monoblock stem ø16mm L 190mm LAT	132°	192.6	181.6	43	39.65	19	16
	01.22.706	Monoblock stem ø17mm L 190mm LAT	132°	192.6	181.6	43	39.65	20	17
	01.22.707	Monoblock stem ø18mm L 190mm LAT	132°	192.6	181.6	43	39.65	21	18
	01.22.708	Monoblock stem ø19mm L 190mm LAT	132°	192.6	181.6	43	39.65	22	19
	01.22.709	Monoblock stem ø20mm L 190mm LAT	132°	192.6	181.6	43	39.65	23	20
	01.22.710	Monoblock stem ø21mm L 190mm LAT	132°	192.6	181.6	43	39.65	24	21
	01.22.711	Monoblock stem ø22mm L 190mm LAT	132°	192.6	181.6	43	39.65	25	22
01.22.712 ¹	Monoblock stem ø23mm L 190mm LAT	132°	192.6	181.6	43	39.65	26	23	
01.22.713 ¹	Monoblock stem ø24mm L 190mm LAT	132°	192.6	181.6	43	39.65	27	24	
01.22.714 ¹	Monoblock stem ø25mm L 190mm LAT	132°	192.6	181.6	43	39.65	28	25	
01.22.715 ¹	Monoblock stem ø26mm L 190mm LAT	132°	192.6	181.6	43	39.65	29	26	
L240	01.22.621	Monoblock stem ø12mm L 240mm STD	132°	242.6	231.6	37	35.4	16	12
	01.22.622	Monoblock stem ø13mm L 240mm STD	132°	242.6	231.6	37	35.4	17	13
	01.22.623	Monoblock stem ø14mm L 240mm STD	132°	242.6	231.6	37	35.4	18	14
	01.22.624	Monoblock stem ø15mm L 240mm STD	132°	242.6	231.6	37	35.4	19	15
	01.22.625	Monoblock stem ø16mm L 240mm STD	132°	242.6	231.6	37	35.4	20	16
	01.22.626	Monoblock stem ø17mm L 240mm STD	132°	242.6	231.6	37	35.4	21	17
	01.22.627 ¹	Monoblock stem ø18mm L 240mm STD	132°	242.6	231.6	37	35.4	22	18
	01.22.628 ¹	Monoblock stem ø19mm L 240mm STD	132°	242.6	231.6	37	35.4	23	19
	01.22.629 ¹	Monoblock stem ø20mm L 240mm STD	132°	242.6	231.6	37	35.4	24	20
	01.22.630 ¹	Monoblock stem ø21mm L 240mm STD	132°	242.6	231.6	37	35.4	25	21

¹ On demand

SIZE	REFERENCE	DESCRIPTION	CCD ANGLE	A (mm)	B SHOULDER LENGTH (mm)	C NECK OFFSET (mm)	D NECK LENGTH (mm)	Ø E (mm)	Ø G (mm)
L240	01.22.631 ¹	Monoblock stem ø22mm L 240mm STD	132°	242.6	231.6	37	35.4	26	22
	01.22.632 ¹	Monoblock stem ø23mm L 240mm STD	132°	242.6	231.6	37	35.4	27	23
	01.22.633 ¹	Monoblock stem ø24mm L 240mm STD	132°	242.6	231.6	37	35.4	28	24
	01.22.634 ¹	Monoblock stem ø25mm L 240mm STD	132°	242.6	231.6	37	35.4	29	25
	01.22.635 ¹	Monoblock stem ø26mm L 240mm STD	132°	242.6	231.6	37	35.4	30	26
	01.22.721	Monoblock stem ø12mm L 240mm LAT	132°	242.6	231.6	43	35.4	16	12
	01.22.722	Monoblock stem ø13mm L 240mm LAT	132°	242.6	231.6	43	35.4	17	13
	01.22.723	Monoblock stem ø14mm L 240mm LAT	132°	242.6	231.6	43	35.4	18	14
	01.22.724	Monoblock stem ø15mm L 240mm LAT	132°	242.6	231.6	43	35.4	19	15
	01.22.725	Monoblock stem ø16mm L 240mm LAT	132°	242.6	231.6	43	35.4	20	16
	01.22.726	Monoblock stem ø17mm L 240mm LAT	132°	242.6	231.6	43	35.4	21	17
	01.22.727	Monoblock stem ø18mm L 240mm LAT	132°	242.6	231.6	43	35.4	22	18
	01.22.728	Monoblock stem ø19mm L 240mm LAT	132°	242.6	231.6	43	35.4	23	19
	01.22.729	Monoblock stem ø20mm L 240mm LAT	132°	242.6	231.6	43	35.4	24	20
	01.22.730	Monoblock stem ø21mm L 240mm LAT	132°	242.6	231.6	43	35.4	25	21
	01.22.731	Monoblock stem ø22mm L 240mm LAT	132°	242.6	231.6	43	35.4	26	22
	01.22.732	Monoblock stem ø23mm L 240mm LAT	132°	242.6	231.6	43	35.4	27	23
	01.22.733	Monoblock stem ø24mm L 240mm LAT	132°	242.6	231.6	43	35.4	28	24
	01.22.734 ¹	Monoblock stem ø25mm L 240mm LAT	132°	242.6	231.6	43	35.4	29	25
	01.22.735 ¹	Monoblock stem ø26mm L 240mm LAT	132°	242.6	231.6	43	35.4	30	26
L290	01.22.641 ¹	Monoblock stem ø12mm L 290mm STD	132°	292.6	281.6	37	35.4	16	12
	01.22.642 ¹	Monoblock stem ø13mm L 290mm STD	132°	292.6	281.6	37	35.4	17	13
	01.22.643 ¹	Monoblock stem ø14mm L 290mm STD	132°	292.6	281.6	37	35.4	18	14
	01.22.644 ¹	Monoblock stem ø15mm L 290mm STD	132°	292.6	281.6	37	35.4	19	15
	01.22.645 ¹	Monoblock stem ø16mm L 290mm STD	132°	292.6	281.6	37	35.4	20	16
	01.22.646 ¹	Monoblock stem ø17mm L 290mm STD	132°	292.6	281.6	37	35.4	21	17
	01.22.647 ¹	Monoblock stem ø18mm L 290mm STD	132°	292.6	281.6	37	35.4	22	18
	01.22.648 ¹	Monoblock stem ø19mm L 290mm STD	132°	292.6	281.6	37	35.4	23	19
	01.22.649 ¹	Monoblock stem ø20mm L 290mm STD	132°	292.6	281.6	37	35.4	24	20
	01.22.650 ¹	Monoblock stem ø21mm L 290mm STD	132°	292.6	281.6	37	35.4	25	21
	01.22.651 ¹	Monoblock stem ø22mm L 290mm STD	132°	292.6	281.6	37	35.4	26	22
	01.22.652 ¹	Monoblock stem ø23mm L 290mm STD	132°	292.6	281.6	37	35.4	27	23
	01.22.653 ¹	Monoblock stem ø24mm L 290mm STD	132°	292.6	281.6	37	35.4	28	24
	01.22.654 ¹	Monoblock stem ø25mm L 290mm STD	132°	292.6	281.6	37	35.4	29	25
	01.22.655 ¹	Monoblock stem ø26mm L 290mm STD	132°	292.6	281.6	37	35.4	30	26
	01.22.741 ¹	Monoblock stem ø12mm L 290mm LAT	132°	292.6	281.6	43	35.4	16	12
	01.22.742 ¹	Monoblock stem ø13mm L 290mm LAT	132°	292.6	281.6	43	35.4	17	13
	01.22.743	Monoblock stem ø14mm L 290mm LAT	132°	292.6	281.6	43	35.4	18	14
	01.22.744	Monoblock stem ø15mm L 290mm LAT	132°	292.6	281.6	43	35.4	19	15
	01.22.745	Monoblock stem ø16mm L 290mm LAT	132°	292.6	281.6	43	35.4	20	16
	01.22.746	Monoblock stem ø17mm L 290mm LAT	132°	292.6	281.6	43	35.4	21	17
	01.22.747	Monoblock stem ø18mm L 290mm LAT	132°	292.6	281.6	43	35.4	22	18
	01.22.748	Monoblock stem ø19mm L 290mm LAT	132°	292.6	281.6	43	35.4	23	19
	01.22.749	Monoblock stem ø20mm L 290mm LAT	132°	292.6	281.6	43	35.4	24	20
	01.22.750	Monoblock stem ø21mm L 290mm LAT	132°	292.6	281.6	43	35.4	25	21
01.22.751	Monoblock stem ø22mm L 290mm LAT	132°	292.6	281.6	43	35.4	26	22	
01.22.752	Monoblock stem ø23mm L 290mm LAT	132°	292.6	281.6	43	35.4	27	23	
01.22.753	Monoblock stem ø24mm L 290mm LAT	132°	292.6	281.6	43	35.4	28	24	
01.22.754	Monoblock stem ø25mm L 290mm LAT	132°	292.6	281.6	43	35.4	29	25	
01.22.755	Monoblock stem ø26mm L 290mm LAT	132°	292.6	281.6	43	35.4	30	26	

¹ On demand



FEMORAL HEADS

DIAMETER	SIZE	STAINLESS STEEL	CoCr	CeramTec BIOLOX delta	CeramTec BIOLOX Option ^{II}	Mectacer BIOLOX delta
Ø 22 mm	S	01.25.130 ^I	01.25.124 ^I	-	-	-
Ø 22 mm	M	25055.2203 ^I	01.25.123 ^I	-	-	-
Ø 28 mm	S	25055.2801	01.25.011	38.49.7175.445.00	38.49.7176.935.81	01.29.201
Ø 28 mm	M	25055.2803	01.25.012	38.49.7175.455.00	38.49.7176.935.82	01.29.202
Ø 28 mm	L	25055.2805	01.25.013	38.49.7175.465.00	38.49.7176.935.85	01.29.203
Ø 28 mm	XL	25055.2807	01.25.014	-	38.49.7176.935.84	-
Ø 28 mm	XXL	25055.2810 ^I	01.25.015 ^I	-	-	-
Ø 32 mm	S	25055.3201	01.25.021	38.49.7175.665.00	38.49.7176.945.81	01.29.204
Ø 32 mm	M	25055.3203	01.25.022	38.49.7175.675.00	38.49.7176.945.82	01.29.205
Ø 32 mm	L	25055.3205	01.25.023	38.49.7175.685.00	38.49.7176.945.85	01.29.206
Ø 32 mm	XL	25055.3207	01.25.024	38.49.7181.345.00	38.49.7176.945.84	01.29.207
Ø 32 mm	XXL	25055.3210 ^I	01.25.025 ^I	-	-	-
Ø 36 mm	S	-	01.25.030	38.49.7179.275.00	38.49.7176.965.81	01.29.208
Ø 36 mm	M	-	01.25.031	38.49.7179.285.00	38.49.7176.965.82	01.29.209
Ø 36 mm	L	-	01.25.032	38.49.7179.295.00	38.49.7176.965.85	01.29.210
Ø 36 mm	XL	-	01.25.033	38.49.7175.925.00	38.49.7176.965.84	01.29.211
Ø 36 mm	XXL	-	01.25.034 ^I	-	-	-
Ø 40 mm	S	-	-	38.49.7179.885.00 ^I	38.49.7179.815.81 ^I	01.29.212
Ø 40 mm	M	-	-	38.49.7179.895.00 ^I	38.49.7179.815.82 ^I	01.29.213
Ø 40 mm	L	-	-	38.49.7179.905.00 ^I	38.49.7179.815.85 ^I	01.29.214
Ø 40 mm	XL	-	-	38.49.7179.915.00 ^I	38.49.7179.815.84 ^I	01.29.215

^I On demand

^{II} Specific for revision cases

MECTACER BIOLOX OPTION SYSTEM ^{II}

HEAD DIAMETER (mm)	REFERENCE
Ø 28	01.29.230H
Ø 32	01.29.231H
Ø 36	01.29.232H
Ø 40	01.29.233H

SLEEVE SIZE	REFERENCE
S	01.29.240A
M	01.29.241A
L	01.29.242A
XL	01.29.243A

^{II} Specific for revision cases

Part numbers subject to change.

NOTE FOR STERILISATION

The instrumentation is not sterile upon delivery. It must be cleaned before use and sterilised in an autoclave in accordance with 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 sterilisation of Medacta International orthopaedic devices" available at www.medacta.com.



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M-Vizion® Monobloc
Surgical Technique

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rev. 03

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