Instrumentation for Bipolar Head for femoral heads Ø 22 mm is available under specific request.

On request.

Instrumentation set

**IMPLANTS NOMENCLATURE**

**MEDACTA® BIPOLAR HEAD**

Ref. (Ø 22 mm) | Internal / External Diameter | Implantation
--- | --- | ---
25060.2232 | Ø 22x40 mm | Internal / External Diameter
25060.2234 | Ø 22x41 mm | Internal / External Diameter
25060.2241 | Ø 22x44 mm | Internal / External Diameter
25060.2242 | Ø 22x45 mm | Internal / External Diameter
25060.2243 | Ø 22x46 mm | Internal / External Diameter
25060.2244 | Ø 22x47 mm | Internal / External Diameter
25060.2245 | Ø 22x48 mm | Internal / External Diameter
25060.2246 | Ø 22x49 mm | Internal / External Diameter
25060.2247 | Ø 22x50 mm | Internal / External Diameter
25060.2248 | Ø 22x51 mm | Internal / External Diameter
25060.2249 | Ø 22x52 mm | Internal / External Diameter
25060.2252 | Ø 22x55 mm | Internal / External Diameter
25060.2258 | Ø 22x60 mm | Internal / External Diameter

**MEDACTA® BIPOLAR HEAD**

Ref. (Ø 28 mm) | Internal / External Diameter | Implantation
--- | --- | ---
25060.2848 | Ø 28x42 mm | Internal / External Diameter
25060.2849 | Ø 28x44 mm | Internal / External Diameter
25060.2852 | Ø 28x46 mm | Internal / External Diameter
25060.2854 | Ø 28x48 mm | Internal / External Diameter
25060.2856 | Ø 28x50 mm | Internal / External Diameter
25060.2858 | Ø 28x52 mm | Internal / External Diameter
25060.2860 | Ø 28x54 mm | Internal / External Diameter
25060.2868 | Ø 28x58 mm | Internal / External Diameter
25060.2870 | Ø 28x60 mm | Internal / External Diameter

**MEDACTA® BIPOLAR HEAD**

Ref. (Ø 28 mm) | Internal / External Diameter | Implantation
--- | --- | ---
25060.2872 | Ø 28x60 mm | Internal / External Diameter

**MEDACTA® BIPOLAR HEAD**

Ref. (Ø 28 mm) | Internal / External Diameter | Implantation
--- | --- | ---
25060.2874 | Ø 28x62 mm | Internal / External Diameter

Part numbers subject to change.

Note for distribution: The information provided is not a claim upon delivery. This document is part of the manufacturing process of a surgical implant and does not constitute a representation of the conformity to the statutory and official regulations and neither a guarantee that the implantation will be successful. The manufacturer can be held liable only for defects resulting from faulty manufacturing or delivery. In case of delivery defects, claim for liability is limited to replacement of the goods or repair. Any other claims are excluded. Availability of implants depends on demand and is subject to change. Medacta is registered trademark of Medacta International SA, Castel San Pietro, Switzerland.


**CONCEPT**

The Medacta® Bipolar Head includes an outer shell made of stainless steel, designed to articulate directly in the patient’s acetabulum, an inner Ultra High Molecular Weight Polyethylene (UHMWPE) bearing surface, in which articulates the prosthetic femoral head. The locking of the femoral head inside the bipolar head is easily achieved and assured thanks to an elastic internal retaining ring.

It is possible the change into a Total Primary Arthroplasty, without any damage to the head and the taper, simply removing the Medacta® Bipolar Head (see section 6).

**PREOPERATIVE PLANNING**

Careful preoperative planning is essential. A set of X-ray templates to the scale of 1.15:1 (with an X-ray of the same magnification) will help the surgeon to pre-select the implant details in order to restore an architecture corresponding to the patient’s anatomy.

**CAUTION**

The head diameter must be checked in different positions as it is not spherical.

**IMPORTANT NOTE:** Not all the sizes indicated in the sizers are available for both Medacta® Bipolar Head size Ø 22 mm and Ø 28 mm. Take care to check for the implant size available.

**FEMORAL HEAD SIZE**

The bipolar head diameter depends on the smaller resected femoral head diameter and can be evaluated with the aid of the femoral head sizer. The preliminary choice will be confirmed by the trial reduction.

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

**TRIAL REDUCTION**

Mount the adapter for trial bipolar head on the multifunction handle and screw the assembly into the trial bipolar head of the diameter chosen preliminary. Test the correct diameter dimension placing the trial bipolar head directly into the acetabulum. Unscrew the assembly multifunction handle-adapter from the trial bipolar head. Place the trial bipolar head on the trial head positioned on the trial or final stem and proceed with the trial reduction in order to test mobility, joint stability, range of motion and leg length.

**FINAL SETTING**

After final head positioning, place the Medacta® Bipolar Head on it. The head retention into the bipolar head is guaranteed by the elastic internal retaining ring.

Use the impactor adaptor for multifunction handle screwed on the multifunction handle for final implant impaction.

Proceed with the final reduction.

**BIPOLAR HEAD REMOVAL**

If the bipolar head has to be removed (e.g. change of neck length, pass to a total hip arthroplasty) a special key is supplied. This key has the retaining ring in order to unlock the bipolar head from the head.

**IMPORTANT NOTE:** When the key is positioned under the Medacta® Bipolar Head it is essential to pull ONLY the bipolar head and not the key, otherwise it will be impossible to disassemble.

**IMPLANT POSSIBLE COMBINATIONS**

All Medacta® implants possible combinations are represented in the table “Medacta® hip product compatibility” (ref. 99.99.COM), available at www.medacta.com.

This document describes the concept and the surgical technique for the Medacta® Bipolar Head implant. Carefully read the instructions for use and if you have any questions concerning product compatibility please contact your Medacta® representative.