

REDEFINING THR: THE AMIS SYNERGY

The anterior approach, consolidated by years of clinical experience, is the only technique that follows an **intermuscular and internervous path** and therefore lowers the risk of damaging periarticular structures such as muscles, tendons, vessels and nerves.

Medacta International is the world leader for educating and supporting surgeons in their pursuit of Anterior Minimally Invasive Surgery (AMIS). **Reference Centers and Learning Centers around the world** provide the necessary AMIS education experience and Medacta offers **continuous support for surgeons**, as well as constantly improving and developing the industry's most specialised instrumentation platform.

When you use the X-acta, you enter the Medacta International world of AMIS.

Discover:

- The definitive MIS approach: AMIS.
- Dedicated AMIS instrumentation.
- The **AMIS Mobile Leg Positioner**: the original extension table included as part of the instrumentation, which makes surgery easier and reproducible.
- The **AMIS Education Programme** based on Medacta's proven educational methods.

The AMIS Mobile Leg Positioner will be supplied as part of the instrumentation to help ensure effective and reliable positioning of the leg during surgery. Traction, adduction and hyperextension have never been so easy.



CEMENTED RESTRICTORS

MECTAPLUG



- Completely resorbable plug in biocompatible gelatine
- Six different plug diameters for an optimized fit to the shape of the medullary canal



MECTAPLUG PE



- Non-resorbable UHMWPE cement restrictor
- Disc shape design with spiral slanted cuts
- Radiopaque wire in stainless steel
- One size fitting different medullary canal diameters

Please verify approval of the devices described in this document with your local Medacta representative.
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X-ACTA: CEMENTED DOUBLE-TAPERED STEM

X-acta is a cemented double-tapered stem manufactured in **high-nitrogen stainless steel**, provided with a **PMMA distal centralizer** to facilitate stem positioning and uniform cement mantle distribution. The X-acta stem is implanted using the Ling technique, consisting in a uniform cement mantle about 2 mm thick around the stem.

On the basis of its clinical success, a 2.5 cm **shortened X-acta stem** was designed to facilitate stem implantation through the AMIS approach and reduce bone removal.

SUCCESSFUL CLINICAL HISTORY

The collarless, double-tapered, polished design that inspired the X-acta stem has proven successful for more than 45 years of Total Hip Replacement (THR).

SINGLE PROVEN SYSTEM

As a collarless stem, X-acta allows surgeons to intra-operatively accommodate most patient anatomies and indications, including fracture, primary and revision cases. It may be chosen as the **SOLE system** for a surgeon's practice.

USER-FRIENDLY DESIGN

Three **depth markings** spaced 4 mm apart are etched on the proximal part of the X-acta stem. The markings allow for the correction of the leg length by adjusting the depth of the stem insertion. The same markings are also indicated on the rasps.

The X-acta stem is provided with a **winged PMMA distal centralizer** that facilitates the stem positioning and optimizes the load transfer.

EXTENSIVE PRODUCT RANGE

The X-acta stem is offered in a wide range of options, including **five sizes**, **four offsets** and **two length choices** that allow the surgeon to accommodate most patient anatomies with a single hip system. A 2.5 cm shortened design has been developed for each of the standard lengths to facilitate their implantation through the AMIS approach and preserve bone stock.

COMPREHENSIVE INSTRUMENT SET

- Posterior dedicated Instrument Set
- AMIS dedicated Instrument Set
- Effective Cementation Kit



DESIGN FEATURES

OFFSET OPTIONS

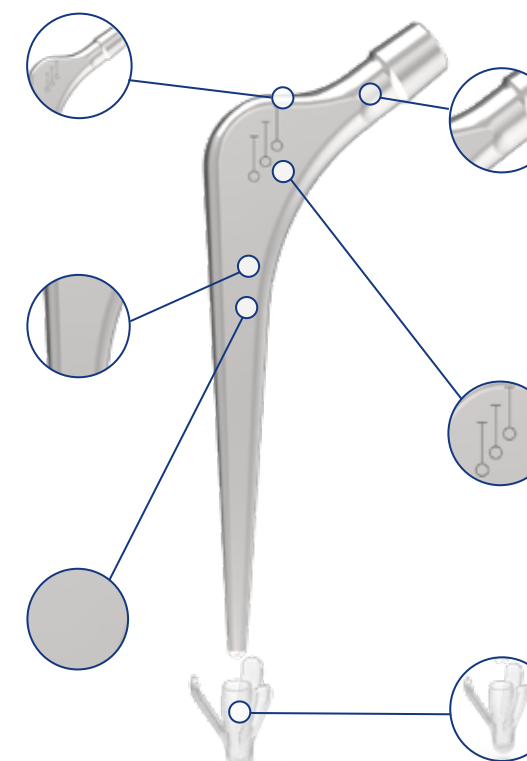
X-acta stem is available in **4** different **offsets**: 35.5, 37.5, 44 and 50 mm.

DOUBLE-TAPERED DESIGN

X-acta **double-tapered design** provides axial and rotational stability.

HIGHLY-POLISHED SURFACE

The **mirror polished finishing** provides a cement-friendly surface which optimizes the transfer of compressive forces.



MIRROR POLISHED NECK

The mirror polished surface of the neck minimizes soft tissue damage and liner wear, making the X-acta stem suitable for double mobility liners.

DEPTH MARKINGS

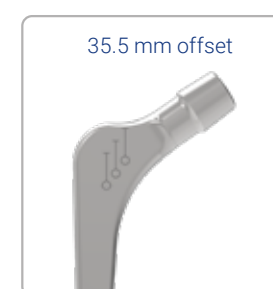
Three **depth markings** spaced 4 mm apart allow for the correction of the leg length by adjusting the depth of the stem insertion.

PMMA DISTAL CENTRALIZER

The **PMMA distal centralizer** aids stem positioning and optimizes load transfer.

EXTENSIVE SIZE RANGE

X-acta is a cemented double-tapered stem available in **5 sizes** and **4 offsets**, both in the **standard** and **shortened design**.



LENGTH: Standard
SIZE: 0



LENGTH: Standard and Short
SIZE: 0, 1, 2, 3 and 4



LENGTH: Standard and Short
SIZE: 0, 1, 2, 3 and 4



LENGTH: Standard and Short
SIZE: 1, 2, 3, and 4

