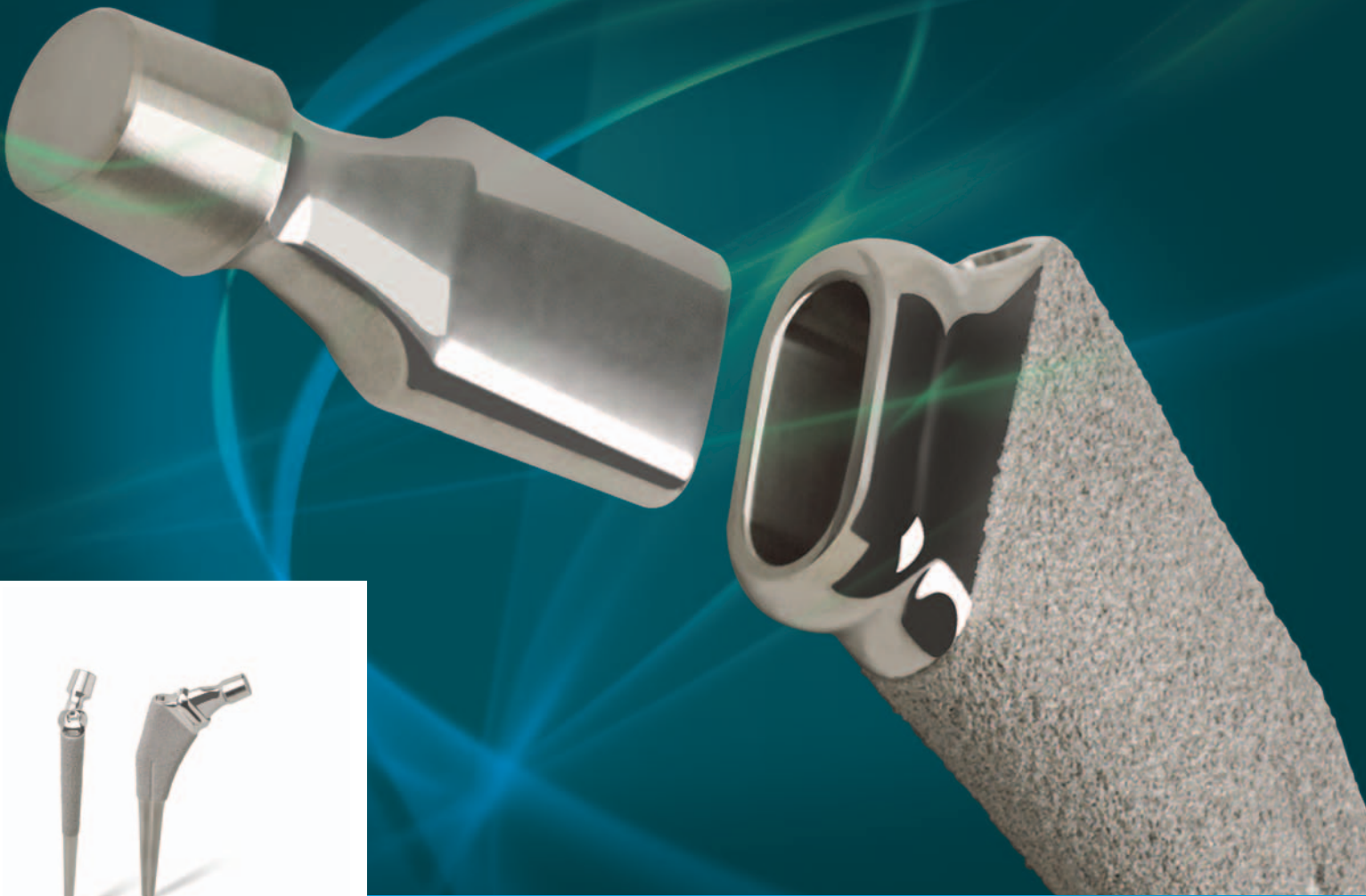




Zimmer®
M/L Taper Hip
Prosthesis with
Kinectiv® Technology

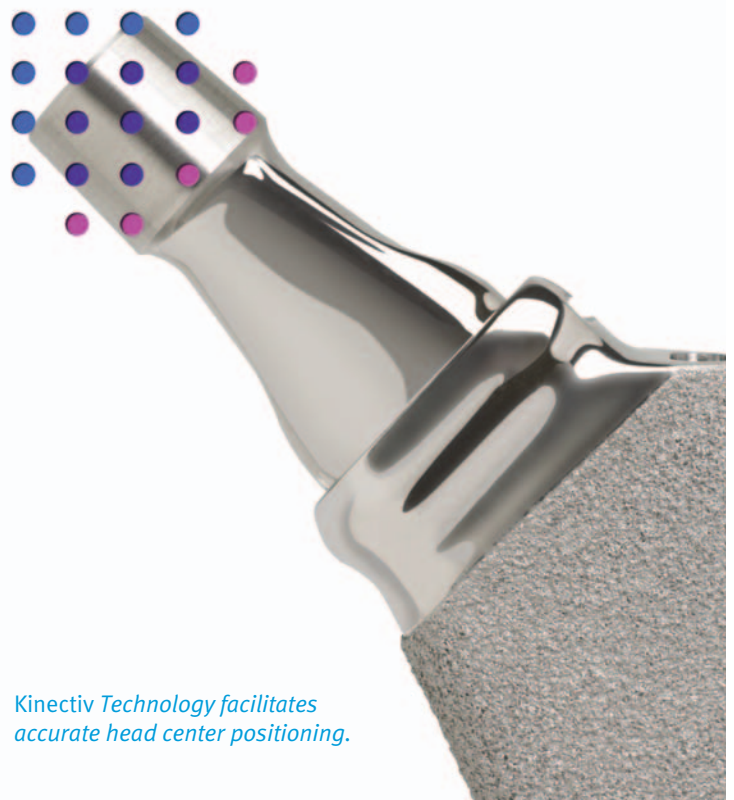


Simple kinematic restoration for a broad range of patients



Simple, practical solutions for optimal restoration of hip joint kinematics

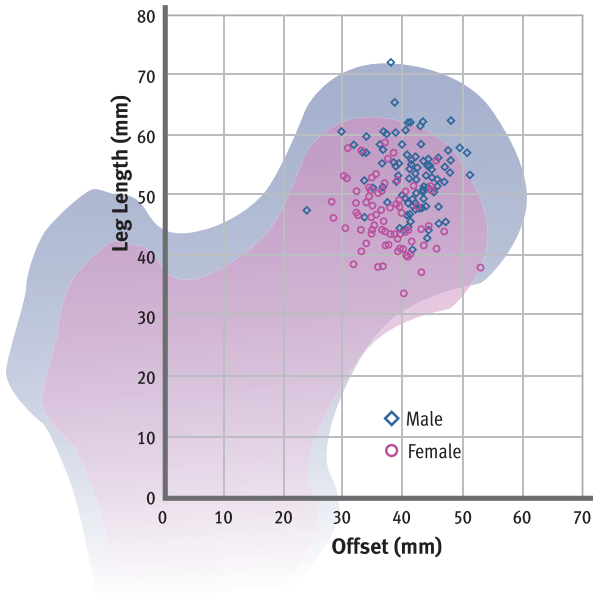
Restoring leg length, joint stability, and range of motion for each patient involves distinct surgical challenges. The *Zimmer M/L Taper Hip Prosthesis with Kinectiv* Technology incorporates a modular neck system designed to provide simple kinematic restoration and match a wide variety of patient anatomies on an easy-to-use, proven stem geometry.



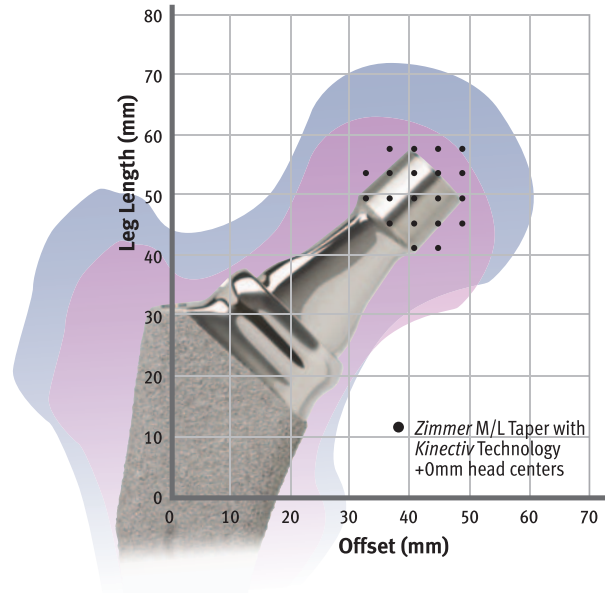
Broad Patient Matching

Natural head center restoration

Natural head center restoration is achieved by offering a broad range of head centers (including varus/valgus center options) which allows for less bone-sacrificing neck cuts and version options designed to match patient anatomy and optimize joint stability.



Patient head center data



Kinectiv Technology head centers

Wide patient population accommodation

Flat tapered wedge design has been successfully implanted in a wide variety of patient types.^{7-8*}

- Younger patients
- Elderly patients
- Hip-fracture patients

*Please refer to the package insert for full indications for use.



Easy to Use

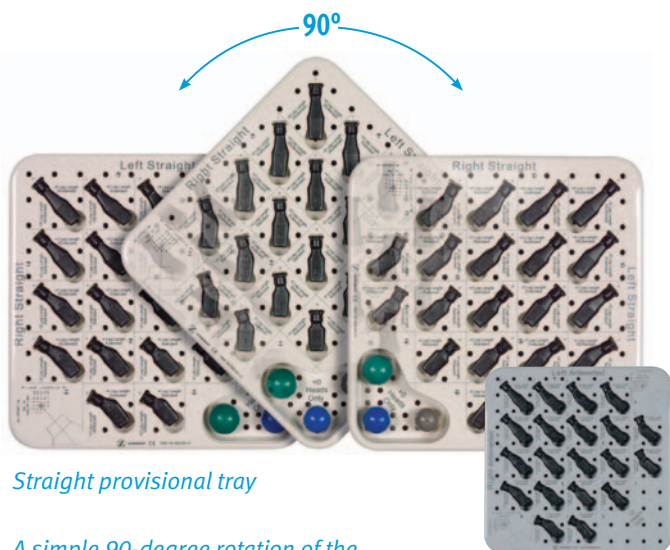
Simple technique, intraoperative flexibility

Broach-only technique requires fewer instrument trays and less surgical time. Modular necks allow intraoperative flexibility where minor adjustments can be made during the trial reduction to achieve ideal soft tissue tension.



Intraoperative flexibility

Broach-only technique



Straight provisional tray

A simple 90-degree rotation of the provisional neck tray allows the use of the same provisional sets for both right and left hips.

Version provisional tray

MIS Enabled

Inserting the stem and modular neck separately minimizes soft tissue trauma and eases stem placement in minimally invasive techniques.

Proven Design

Proven M/L Taper design philosophy

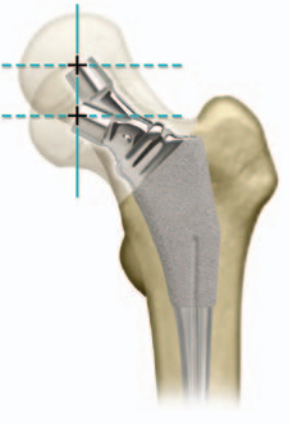
Stem geometry based on a tapered wedge design with a successful 15+ year clinical experience providing a secure tapered fit and excellent rotational stability.⁹



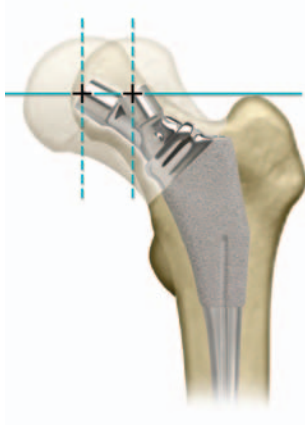
Simple Kinematic Restoration

Independent adjustment of leg length, offset, and version

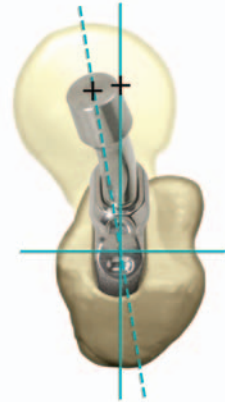
Modular necks, exclusive use of +0 heads, and a grid pattern of head centers allow for independent adjustment of leg length, offset, and version following stem implantation, enabling optimization of soft tissue tension which minimizes risk of dislocation.¹⁻³



Adjust leg length without affecting offset



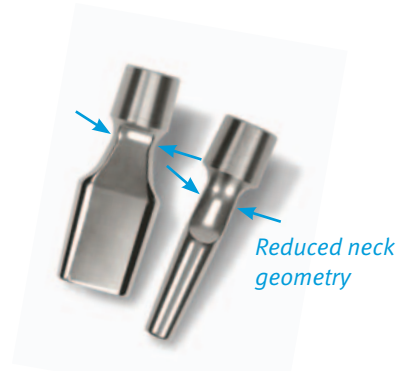
Adjust offset without affecting leg length



Optimize version without compromising stem orientation

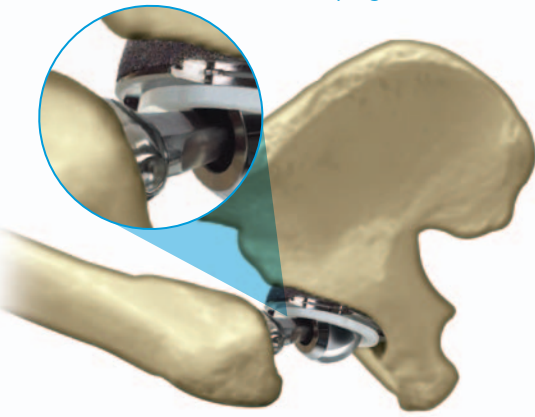
Optimized range of motion

Reduced neck geometry and version options maximize range of motion and reduce the risk of component impingement while potentially decreasing alterations to cup position.⁴⁻⁶



Straight neck with neck impingement

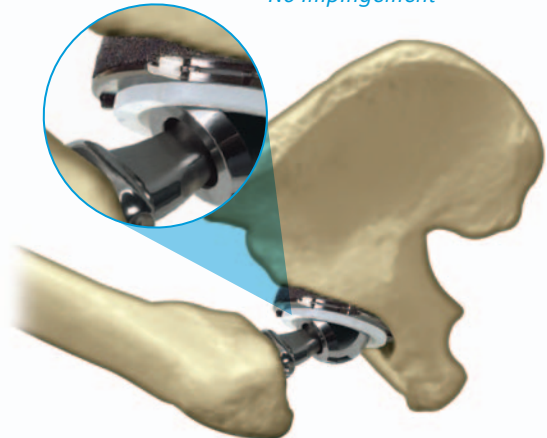
Neck impingement



- Straight neck
- Flexion, abduction, and external rotation

Anteverted neck resolves neck impingement

No impingement



- Anteverted neck
- Flexion, abduction, and external rotation

Advancing skills and knowledge

The Zimmer Institute, in true teamwork with the surgeon, provides hands-on training and transfer of knowledge to bring the benefits of minimally invasive surgery to joint replacement partners. The Zimmer Institute and its satellite programs work with surgeons, offering support for procedures from the familiar to the highly advanced. Zimmer training and support enhance the skills and knowledge of surgeons at every stage of their career, so they have confidence in the *Zimmer* MIS procedures they perform.



Zimmer Institute
Learn. Do. Excel.™

Zimmer M/L Taper Hip Prosthesis with Kinectiv Technology

Simple Kinematic Range of Motion

Independent adjustment of leg length, offset, and version
Optimized range of motion

Broad Patient Matching

Natural head center restoration
Wide patient population accommodation

Easy to Use

Simple technique, Intraoperative flexibility
MIS Enabled

Proven Design

Proven M/L Taper design philosophy

References

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