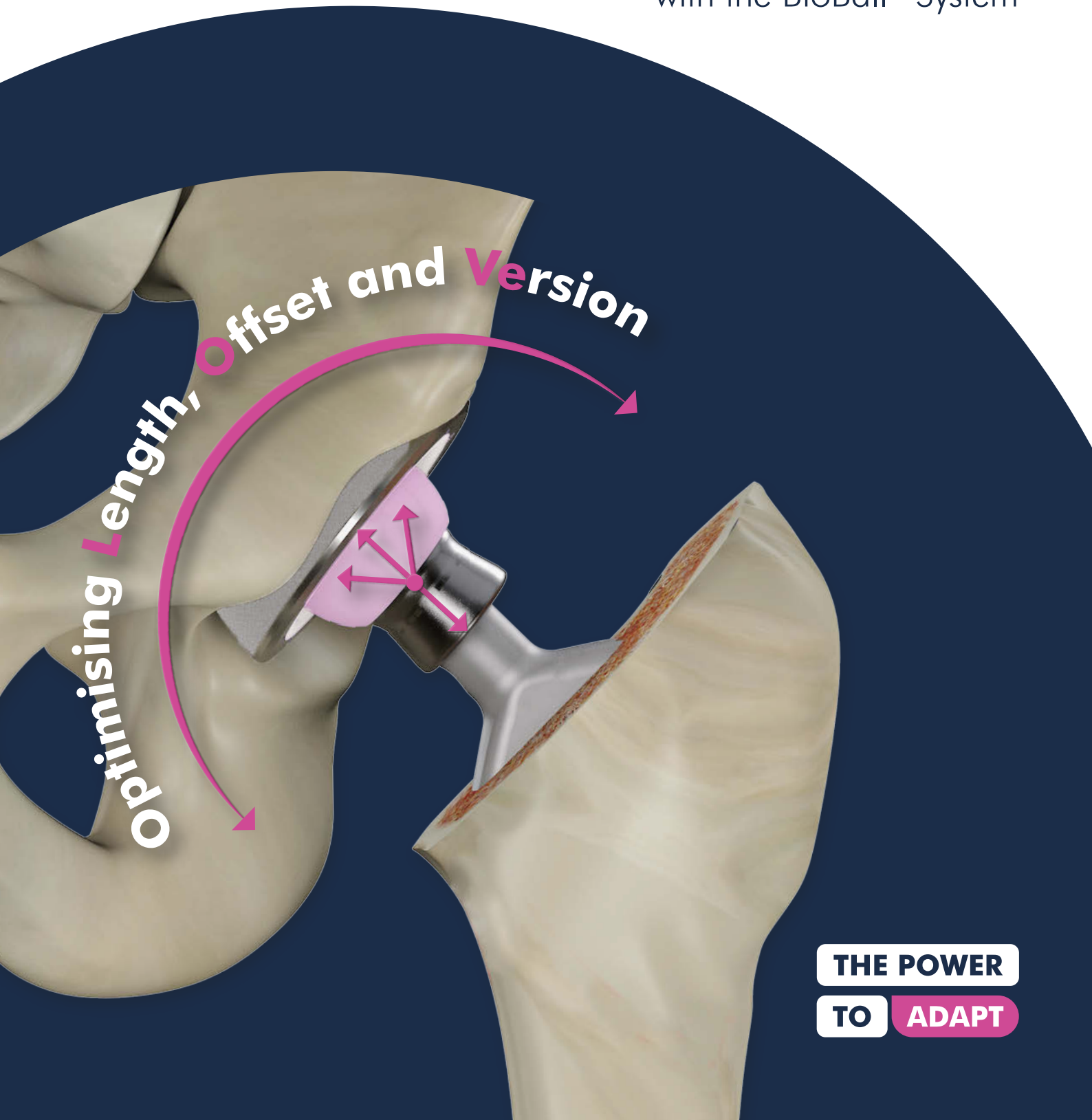


Precision in Hip Revision

with the BioBall® System



THE POWER

TO ADAPT

BioBall® Adapter Offset

In revision hip arthroplasty, instability and dislocation are often associated with suboptimal implant positioning or soft tissue imbalance. The design features of the BioBall® Adapters enable precise adjustment, supporting optimal implant alignment.

What is Offset?

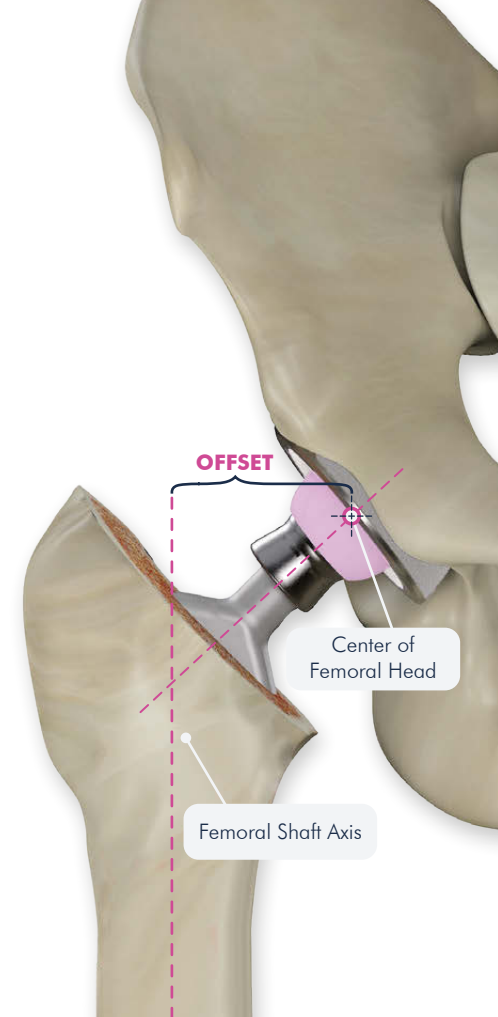
Offset describes the horizontal distance between the center of the femoral head and the femoral stem axis.

Restoring the correct offset is essential for

- Joint stability
- Soft tissue tension
- Physiological biomechanics

BioBall® Offset Adapters allow for:

- Leg length adjustment
- Offset adjustment (lateralisation/medialisation)
- Correction of anteversion/retroversion



How do I correctly align the BioBall® Adapter Offset?

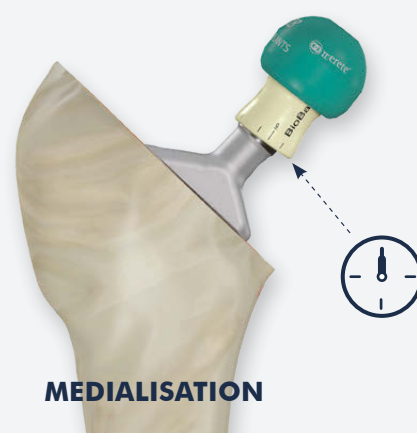
For each adapter size, the 12 o'clock position on the trial adapters indicates the maximum achievable offset setting. For more details please refer to the surgery technique.



12 o'clock position lateral = maximum lateralisation



12 o'clock position medial = maximum medialisation



Maximum Offset Correction

Maximum lateralisation achievable with the adapter. Lateralisation increases femoral offset and influences leg length.*

Minimum Offset Correction

Maximum medialisation achievable with the adapter. Medialisation decreases femoral offset and influences leg length.*

* Depending on the selected neck length and adapter orientation.

What is Version?

Version refers to the rotational alignment of the femoral component. Adjusting version helps to:

- Optimise joint stability
- Reduce the risk of dislocation
- Improve range of motion

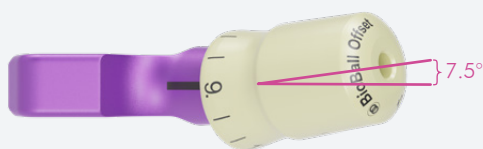
How to adjust Version with the BioBall® Adapters Offset

The rotational position of the adapter allows controlled adjustment of anteversion and retroversion.

- The number facing upwards defines the selected position.
- The opposite position represents the maximum adjustment in the reverse direction.

Version Left Hip

Superior View



Maximum Anteversion (9 is facing upwards)



Neutral (or existing version) 12 or 6 is facing upwards



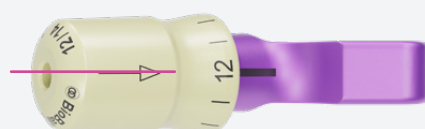
Maximum Retroversion (3 is facing upwards)

Version Right Hip

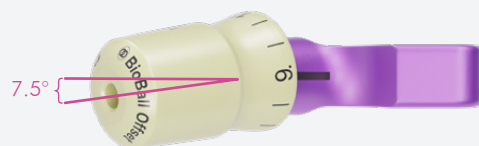
Superior View



Maximum Anteversion (3 is facing upwards)



Neutral (or existing version) 12 or 6 is facing upwards



Maximum Retroversion (9 is facing upwards)

Important Note: Due to anatomical symmetry, rotational effects are reversed between right and left hips.



Watch the video demonstrating controlled adjustment of offset and version in revision hip surgery.



BioBall® Adapters Offset

Order Information



Neck length Taper	M (0 mm)	L (+3.5 mm)	XL (+7.0 mm)	2XL (+10.5 mm)	3XL (+14.0 mm)	4XL (+17.5 mm)	5XL (+21.0 mm)
12/14	HM30222	HM30223	HM30224	HM30225	HM30226	HM30227	HM30228
Offset in mm*	1.1	1.2	1.3	1.5	2	2.5	3
14/16				HM30445	HM30446	HM30447	HM30448
MS 8/10	HM32222	HM32223	HM32224	HM32225			
MST1 (11/13)	HM36022	HM36023	HM36024	HM36025	HM36026		
MSV4 (11/12)	HM34222	HM34223	HM34224	HM34225	HM34226		
MS 10/12	HM30202	HM30203	HM30204	HM30205	HM30206		

*Additional offset compared to the BioBall® Adapter Standard with same neck length. Specifications for BioBall® Adapters with special taper geometries may vary slightly. Further details available on request.

Merete® Taper Identification Service



We support you in identifying the stem taper.
Submit your taper request here.

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