



# BioBall® TaperInspector™

The Only Device to Inspect and  
Verify Taper Geometry in THA Revisions



**BioBall® System**  
Merete® Innovative Hip Solutions

Patent: US 8,533,968

# BioBall® TaperInspector™

How do you identify and why do you document taper geometry on in situ stems during revision?  
Four reasons why you should know the BioBall® TaperInspector™.

- 1 Once a surgeon has decided to leave an existing prosthesis stem in place during a revision, visual and haptic inspection of the smooth, reflective surfaces is often not enough to determine the condition of the taper. As a technical and mechanical testing instrument, the BioBall™ TaperSelector™ verifies the geometry and condition of the taper.
- 2 Many manufacturers offer hip stems with different taper geometries. In addition, patients from other countries, or those who underwent surgery abroad, often have very old or unfamiliar models on occasion, medical records cannot be sourced. The patented BioBall® TaperInspector™ helps surgeons inspect the stem taper to determine the correct BioBall® Adapter with great certainty.
- 3 Documented proof that an intraoperative fit check was performed also offers additional security from a legal perspective. If you do a check using the BioBall® TaperInspector™ prior to using the BioBall® System, you can document that check in your surgical report.
- 4 The BioBall® TaperInspector™ is the only testing instrument worldwide approved for testing taper geometry (FDA-approved). No other instrument in the world allows you to perform an approved, recognized taper geometry check and thus ensure that your selected BioBall® Adapter will fit properly.

The Merete® BioBall® System is available in both Standard and exclusive Offset Adapter designs.



Scan to Launch Animation  
"How does it work?"



# Handling - Step by Step

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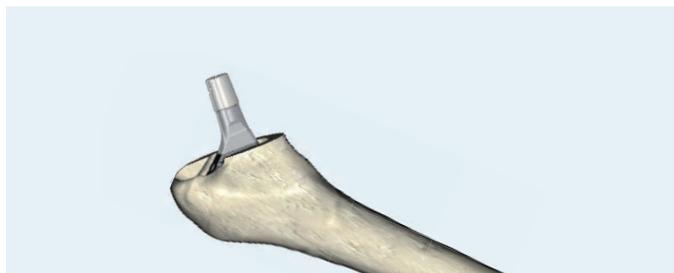
## Step 1

Remove the existing head of the in situ stem.



## Step 2

The taper should be clean and dry before the BioBall® TaperSelector™ is inserted.



## Step 3

Apply slight pressure and turn clockwise to place the BioBall® TaperInspector™ onto the stem taper. Check whether the taper's flat face is positioned between the two arrows.

If it is positioned above or below these markings on the BioBall® TaperInspector™, the stem taper is not the same as the taper indicated on the BioBall® TaperInspector™.



## Step 4

Then visually inspect the lateral accuracy of fit and check to see whether there is a gap in the upper or lower taper region between the stem taper and the BioBall® TaperInspector™.



## Step 5

Test the clamp connection on the BioBall® TaperInspector™ with a sideways tipping movement. If this movement causes rattling or tipping in the BioBall® TaperInspector™, the stem taper is not the same as the taper indicated on the BioBall® TaperInspector™.



## Step 6

After checking the taper geometry with the help of the BioBall® TaperInspector™, examine the entire taper surface. Start with the taper's flat face visible in the opening of the BioBall® TaperInspector™. Then remove the BioBall® TaperSelector™ and examine the entire taper surface.



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