

Technique guide

EZout™ Powered Acetabular Revision System

Pre-op planning

Stryker's EZout System is intended to remove hemispherical, non-cemented cups.

- Identify and remove any screws from the cup.
- Identify whether fins/spikes are present and will need to be cut around.

Step 1: Size the centering plug

The centering plug size is determined by the inner diameter of the cup. Accurate sizing is required.

- Remove the acetabular liner. **Note:** Use the femoral head component to determine the plug size for implants without a liner.
- Center the bottom of the liner in the liner template. The correct size will have the smallest gap between the bottom and sides of the liner.
Note: For resurfacing cups, subtract 4mm from the size indicated by the plug sizing template.
- Select the plug size based on the liner measurement and place it into the cup.
- Assess the fit of the plug in the cup.
 - If the plug has excessive movement from side to side, try the next larger plug size.
 - If the plug has excessive rocking, try the next smaller plug size. If rocking still occurs, use the **original** plug size selected (per step c) with a riser ring.

Note: The final plug size should not be more than +/- one size away from the initially identified plug size.

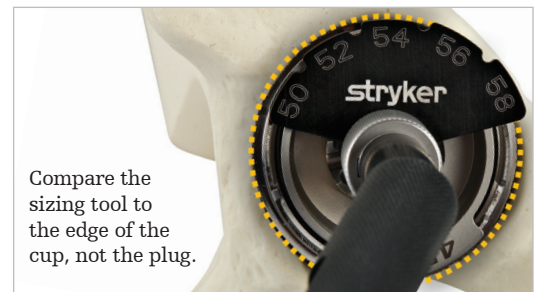
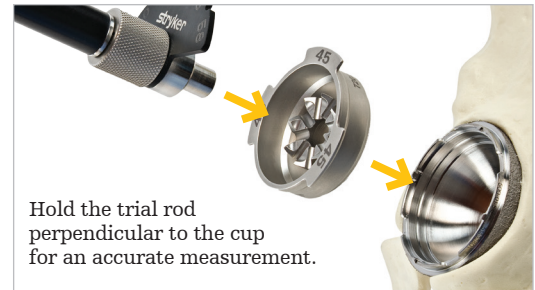


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Step 2: Size the blade

The blade size is determined by the outer diameter of the cup.

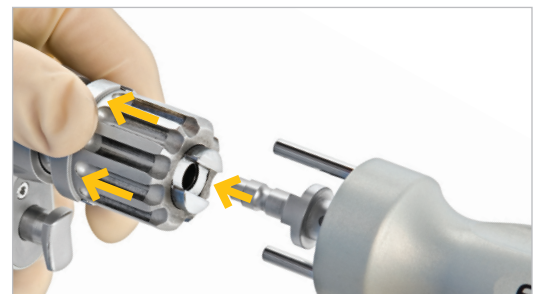
- Completely expose a portion of the cup's rim.
- Attach the blade sizing tool to the trial rod and place it into the centering plug.
- Determine the blade size by assessing which numbered segment of the sizing tool most closely meets or exceeds the outer rim of the cup.

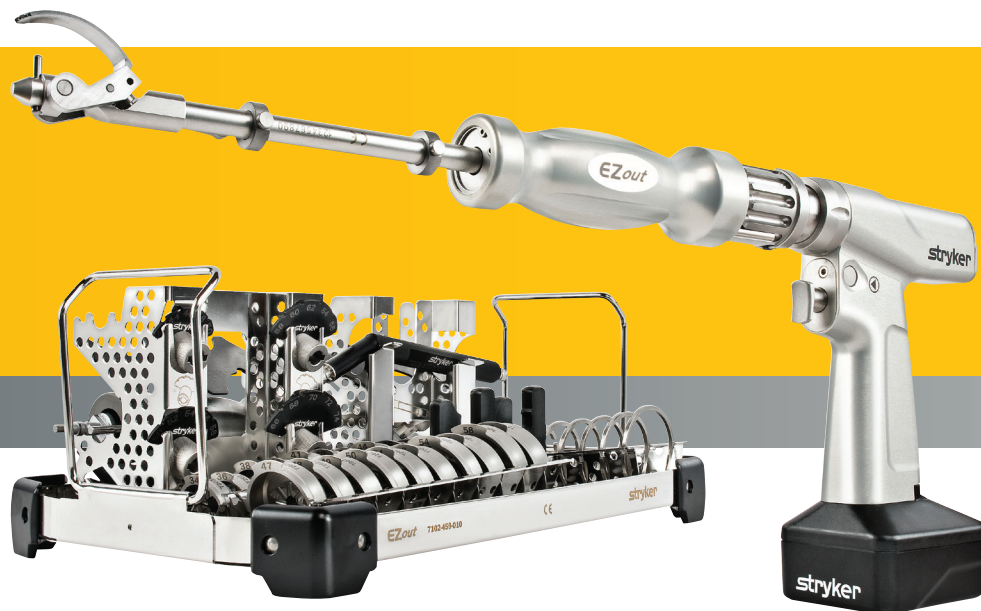


Step 3: Assemble the tool

Ensure the speed selector on the handpiece is in safe mode prior to assembly.

- Pull back the locking sleeve to insert the attachment into the handpiece.
- Turn the attachment rod to align the keyed feature of the attachment with the keyed feature of the handpiece.
- Slide the attachment handle away from the handpiece, press the blade latch button, insert the short blade and release the button. Gently tug on the blade to assure it's fully connected.
- Attach the battery to the handpiece.





Step 4: Remove the cup

Important: Ensure the attachment is perpendicular to the cup for the duration of cutting. Do not rock or tilt.

- Pull the attachment handle toward the handpiece to fully retract the blade and insert the attachment into the centering plug.
 - With the attachment perpendicular to the cup, advance the blade to assess proper fit of the blade to the edge of the cup.
 - Fully retract the blade, then engage the trigger to oscillate the blade. Engage the blade with the bone by gently sliding the attachment handle toward the cup while rotating the handle back and forth.
 - Continuously rotate the handle back and forth while gently advancing the oscillating blade down the side of the cup. Cut around the circumference of the cup with the short blade, making a final full pass around the cup.
- Note: The blade is not designed to side cut. Retract the blade if bogging occurs.**
- Remove the short blade and assemble the long blade, or swap attachments with the long blade assembled.
 - Insert the long blade into the existing cut channel, then insert the tip of the attachment into the centering plug.
 - Continue cutting with the long blade, making a final full pass around the cup or until the cup is removed. Do not use the attachment or blade to pry the cup out.

Note: If the cup is still attached after cutting with the long blade, use other methods to cut the final portion of bone.



EZout System components

Handpiece



Attachment



Blade packs



Plug sizing templates



Centering plugs



Blade sizing tools



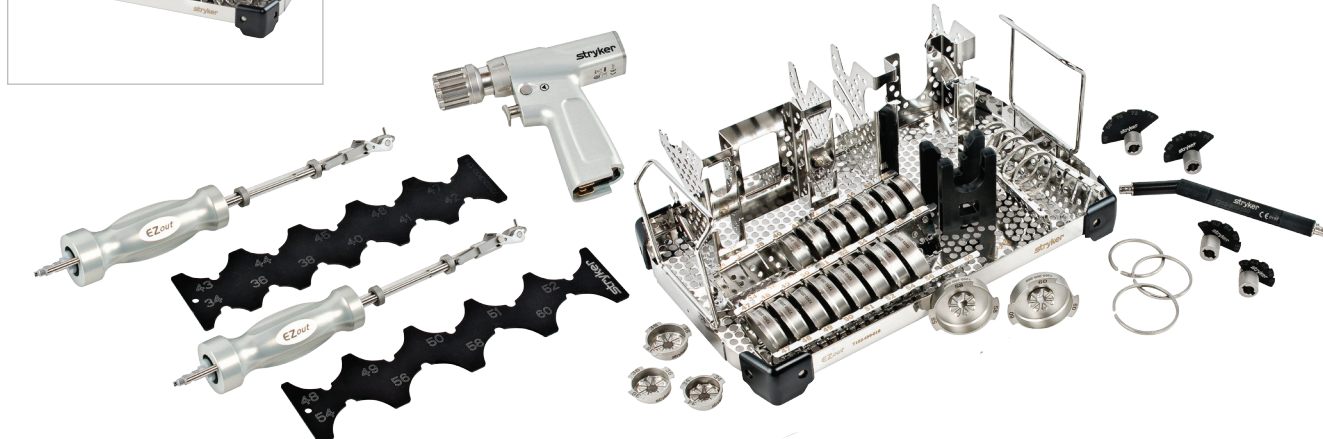
Trial rod



Riser rings



Insert trays



The information presented is intended to demonstrate the breadth of Stryker's product offerings. A healthcare professional must always refer to the package insert, product label and/or instructions for use before using any of Stryker's products. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker's products in your area.

 See Stryker's EZout Powered Acetabular Revision System Instructions for Use (IFU) for complete details.

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