Be ready
DePuy Revision Solutions
DESIGN RATIONALE

Where **Strength** and **Modularity** Connect
RECLAIM™ Modular Revision Hip System

Advanced Strength
- Over 600 million cycles of testing\(^1\)

Advanced Fixation
- True Wagner 2.5\(^\circ\) Taper

Advanced Instrumentation
- Reduced Back-Table Footprint\(^2\) and Opportunity for Increased OR Efficiency

System Overview

- Distal Stem in 16 Diameters and 4 Lengths with Angled Option
- 2.5\(^\circ\) Taper Anti-Subsidence Geometry

Grit-Blast Surface on Proximal and Distal Implants allows for Bony Apposition\(^1\)
Where **Strength** and **Modularity** Connect

- Proximal Body in 3 Diameters and 4 Lengths
- Variable 360° Proximal Positioning
- 2 Offset Options
- Locking Bolt for Supplemental Fixation
- Proprietary Low Plasticity Burnishing (LPB®) process applies residual compression to the Distal Stem taper
Possible Surgical Solutions by Defect Classification

The Paprosky Classification is the most widely used defect classification. All femoral stems listed can be used for any defect classification and may be appropriate for the situations shown below.

Type 1
- Minor cancellous bone loss exists anterior/posterior; the metaphysis is intact.

Type 2
- Cancellous/cortical structural bone is absent; the metaphysis is not intact.
- The diaphysis has minimal damage.
The RECLAIM Modular Revision Hip System combines advances in strength, fixation, and instrumentation to optimize both the surgical and clinical experience during moderate to complex hip revision surgery.

Type 3A
- The diaphysis is nonsupportive due to bone loss.
- Distal fixation over 4 cm can be achieved near the isthmus.

Type 3B
- The diaphysis is not intact due to severe bone loss.
- Distal fixation over 4 cm can be achieved at the isthmus.

Type 4
- The cortices in the isthmus have been eroded.
- Alternative femoral fixation methods must be considered.
Advanced Strength

*Over 600 million cycles* of fatigue testing has demonstrated a superior construct strength profile¹

RECLAIM Modular Revision Hip System was mechanically tested to specifically verify the strength at each of these locations.
Reproducible

2,000 lb Assembly Load for optimum and consistent Locking Taper performance coupled with a fortified design to provide a 50% increase in fatigue strength.¹

Locking Bolt Assembly for supplemental taper fixation
Advanced Fixation

Built for stability to provide surgeons with confidence in restoring patients’ function.

2.5° Bi-Planar Taper

True Wagner style Distal Stem design engineered for fixation, torsional stability, and resistance to subsidence.
Axial and Torsional Stability

Plateau spline design intended to engage multiple bony contact points to resist torque and subsidence.

Mechanical Stability

Afforded by Grit-Blast surface treatment that also provides opportunity for bony apposition.\(^1\)
Advanced Instrumentation

*Designed to increase speed, efficiency, and effectiveness.*
Patent-Pending Versatility

Through trialng off the reamer technology that allows validation of implant sizing and 360° of version.

▲ 1. Ream  ▲ 2. Trial  ▲ 3. Implant
The RECLAIM Modular Revision Hip System

Size Offerings

### DISTAL STEM SIZE OPTIONS

<table>
<thead>
<tr>
<th>Stem Lengths (B)</th>
<th>Straight Stem Diameters (1 mm Increments) (A)</th>
<th>3° Angled Stem Diameters (1 mm Increments) (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>140 mm</td>
<td>14 mm - 21 mm</td>
<td>N/A</td>
</tr>
<tr>
<td>190 mm</td>
<td>14 mm - 21 mm</td>
<td>14 mm - 27 mm 29 mm, 31 mm</td>
</tr>
<tr>
<td>240 mm</td>
<td>N/A</td>
<td>16 mm - 27 mm 29 mm, 31 mm</td>
</tr>
<tr>
<td>290 mm</td>
<td>N/A</td>
<td>18 mm - 21 mm 23 mm, 25 mm, 27 mm, 29 mm, 31 mm</td>
</tr>
</tbody>
</table>

### PROXIMAL BODY SIZE OPTIONS

<table>
<thead>
<tr>
<th>135° NECK ANGLE 12/14 Articul/eze® Mini Taper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heights (C)</td>
</tr>
<tr>
<td>20 mm Diameter (D)</td>
</tr>
<tr>
<td>24 mm Diameter (D)</td>
</tr>
<tr>
<td>28 mm Diameter (D)</td>
</tr>
<tr>
<td>75 mm Blue</td>
</tr>
<tr>
<td>85 mm Green</td>
</tr>
<tr>
<td>95 mm Yellow</td>
</tr>
<tr>
<td>105 mm Red</td>
</tr>
<tr>
<td>40 mm Offset (E)</td>
</tr>
<tr>
<td>45 mm Offset (E)</td>
</tr>
<tr>
<td>45 mm Offset (E)</td>
</tr>
</tbody>
</table>
DePuy Revision Solutions: Managing the Unexpected

DePuy Orthopaedics offers a vast array of femoral and acetabular revision products for addressing the unknowns of revision surgery.
DePuy Revision Solutions

The RECLAIM Modular Revision Hip System is designed to work seamlessly with DePuy’s clinically proven portfolio of acetabular revision solutions.
The PINNACLE® Hip Solutions provide the largest selection of advanced bearing technologies, biological and mechanical fixation alternatives while the GRIPTION® TF Revision Augments, Buttresses, and Shims provide advancements in fixation, material and instrumentation. RECLAIM Modular Revision Hip System combined with the PINNACLE Hip Solutions and GRIPTION TF Revision Augments provides a strong platform for treating moderate to severe revision hip defects.
REFERENCES:

1. Data on file, DePuy Orthopaedics, Inc.
2. Versus standard instrument kits.

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