System Overview

RECLAIM® Modular Revision Hip System

WHERE STRENGTH & MODULARITY CONNECT

Proximal Body in 3 Diameters and 4 Lengths
Variable 360° Proximal Positioning

Note: Proximal body and distal stem are made of Titanium Alloy with 20 grit-blast finish

2 Offset Options

Locking Bolt for Supplemental Fixation

Note: Locking bolt made of Cobalt Chrome Alloy

Low Plasticity Burnishing (LPB®) process halts the propagation of failure inducing cracks that often inherently occur in mid-modular revision hip implants due to the taper interfaces and increases the fretting fatigue resistance of the implant by applying residual compression to the distal stem locking taper.¹
Advanced Strength
Over 600 million cycles of testing

Advanced Fixation
True Wagner 2.5° Taper

Advanced Instrumentation
Reduced Back-Table Footprint and Opportunity for Increased OR Efficiency

Grit-Blast Surface on Proximal and Distal Implants allows for bony apposition

Distal Stem in 16 Diameters and 4 Lengths with Angled Option
2.5° Taper Anti-Subsidence Geometry
Possible Surgical Solutions by Defect Classification

The RECLAIM Modular Revision Hip System combines advancements in strength, fixation, and instrumentation to optimize the clinical experience during moderate to complex hip revision surgery.

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 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 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.

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**SOLUTION SYSTEM®**

**RECLAIM® Modular Revision Hip System**

**LPS™**

(Limb Preservation System)
Advanced Strength

Over 600 million cycles of fatigue testing has demonstrated a superior construct strength profile²

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

- Robust Counter Bore²
- Proven Lateral Wall Thickness²
- Fortified Taper²
- Optimized Taper Transition²
- Compression-Treated Barrel
- Proven Splines²
- High Strength Neck²
- Precision-Designed Undercut
- Low Stress Internal Threads²
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.\(^2\)

PROPRIETARY
Low Plasticity Burnishing (LPB\(^\circledast\)) process halts the propagation of failure inducing cracks that often inherently occur in mid-modular revision hip implants due to the taper interfaces and increases the fretting fatigue resistance of the implant by applying residual compression to the distal stem locking taper.\(^1\)
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.

MECHANICAL STABILITY
Afforded by Grit-Blast surface treatment that also provides opportunity for bony apposition.2
AXIAL AND TORSIONAL STABILITY

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

Designed to increase speed, efficiency, and effectiveness.
**PATENT-PENDING VERSATILITY**

Trialing off the reamer technology allows validation of implant sizing and 360° of version.
## 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>-------------</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>
</tbody>
</table>

1.5 mm head was used for offsets.

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12  DePuy Synthes Joint Reconstruction  RECLAIM Modular Revision Hip System  Design Rationale
Managing the Unexpected

DePuy Synthes Joint Reconstruction offers a vast array of femoral and acetabular revision products for addressing the unknowns of revision surgery.
The RECLAIM Modular Revision Hip System is designed to integrate seamlessly into DePuy Synthes Joint Reconstruction’s clinically proven portfolio of acetabular revision solutions.

PINNACLE® Hip Solutions provide the largest selection of advanced bearing technologies, biological and mechanical fixation alternatives while the GRIPTION® TF Revision Augments 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.
RECLAIM Modular Revision Hip combined with PINNACLE Hip Solutions and GRIPTION TF Revision Augment.
References:


2. Data on file, DePuy Synthes Joint Reconstruction


Limited Warranty and Disclaimer: DePuy Synthes Joint Reconstruction products are sold with a limited warranty to the original purchaser against defects in workmanship and materials. Any other express or implied warranties, including warranties of merchantability or fitness, are hereby disclaimed.

WARNING: In the USA, this product has labeling limitations. See package insert for complete information.

CAUTION: USA Law restricts these devices to sale by or on the order of a physician.

Not all products are currently available in all markets.

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