

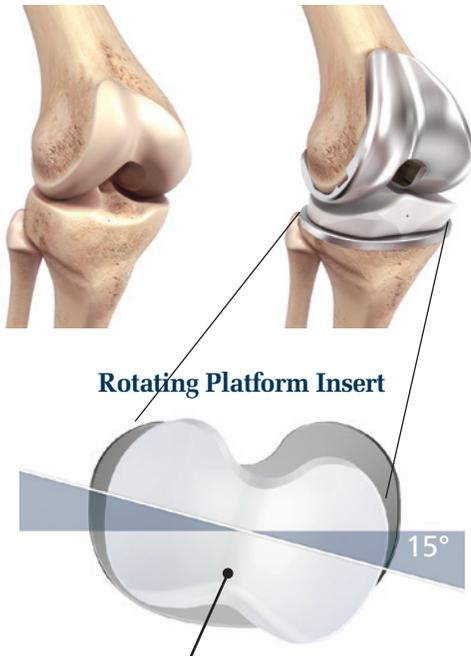
## The benefits of a rotating platform knee

Unlike traditional knee implants (known as fixed bearing knees), the rotating platform knee is designed to accommodate bending and rotation. It was the first knee available in the United States designed to accommodate this type of natural rotation.

In mechanical testing, the ability of the rotating platform knee to rotate was shown to help reduce wear by as much as 94%.<sup>2</sup> Patients who took part in a *DePuy Synthes Joint Reconstruction* multi-surgeon study reported a 97% satisfaction rating with their rotating platform knee five years after surgery.<sup>4</sup>

Natural Knee

Rotating Platform Knee



Rotating Platform Insert

This is the rotating platform mobile component shown in 15° of rotation. This type of rotation is what's typically needed for a deep knee bend, such as squatting or kneeling.

## Important safety information

As with any medical treatment, individual results may vary. The performance of a knee replacement depends on your age, weight, activity level and other factors. There are potential risks, and recovery takes time. People with conditions limiting rehabilitation should not have this surgery. Only an orthopaedic surgeon can tell you if knee replacement is right for you.

### References

1. Data on file at DePuy Orthopaedics, Inc., 2006.
2. McNulty, D. et al. "The Effect of Crosslinking UHMWPE on In-Vitro Wear Rates of Fixed and Mobile Bearing Knees." *ASTM STP 1445*. American Society of Testing and Materials, West Conshohocken, Penn. Available at [www.astm.org](http://www.astm.org), 2004.
3. Data on file at DePuy Orthopaedics, Inc., 2007.
4. DePuy Multi-Center Study: DePuy Orthopaedics, Inc., internal data, 2006.

To learn more about the Rotating Platform Knee and knee replacement surgery, visit [www.depuysynthes.com](http://www.depuysynthes.com).

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JOINT RECONSTRUCTION

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0612-03-511 (Rev. 1) 3M 2/14

# LCS<sup>®</sup> COMPLETE<sup>™</sup>

## Rotating Platform Knee technology



 **DePuy Synthes**  
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## An implant that bends and rotates— to promote more natural movement

When you're considering knee replacement surgery, it's only natural to want your knee implant to move more like your original knee. You already know your knee moves back and forth like a hinge, but did you know it also rotates?

## How much does your knee rotate?

As you bend your knee, it naturally rotates to the right or left by as much as 15°, depending on the activity you're doing. In general, the more you bend your knee, the more it rotates, as shown below:

Activity	Knee bending <sup>1</sup> Angle of bending	Knee rotation <sup>1</sup> Degrees of rotation
 Walking	57°	6°
 Climbing Stairs	60°	8°
 Squatting/Kneeling	162°	15°
 Biking	90°-100°	11°
 Driving	75°-80°	9°

When the knee rotates, stress is placed on the joint. Rotating platform knees are designed to accommodate these stresses.

DePuy Synthes Joint Reconstruction, a division of DePuy Orthopaedics, Inc., offers rotating platform implant options which accommodates rotation during medium to deep knee flexion.

## The benefits of the rotation:

- Less wear on your implant<sup>2</sup>
- Provides for more natural movement<sup>2</sup>
- Addresses your anatomical need for rotation

## About the rotating platform knee

The rotating platform knee is a type of mobile bearing knee. This revolutionary technology was pioneered by DePuy Synthes Joint Reconstruction more than 30 years ago. Rotating platform knees bend and rotate in a way that more closely matches natural movement when compared to traditional knee replacements.<sup>2</sup> DePuy Synthes Joint Reconstruction was the first company to receive FDA approval on mobile bearing technology in the United States.

To date, more than 1 million mobile bearing knees have been chosen by surgeons and patients around the world.<sup>3</sup> DePuy Synthes Joint Reconstruction's knee replacements are available in a wide range of sizes, shapes and materials.

Your surgeon will choose the best option for you based on your age, weight, activity levels and other specific needs.

If you have any questions about rotating platform knee technology—or knee replacement surgery—talk to your orthopaedic surgeon.

## About DePuy Synthes Joint Reconstruction

DePuy Synthes Joint Reconstruction, a global leader in hip, knee and shoulder replacement, is part of DePuy Synthes Companies of Johnson & Johnson, the largest provider of orthopaedic and neurological solutions in the world.

