

# No Compromises

LEGION Hinge –  
making knee salvage, knee rescue

## Fit

### Size

Multiple femoral, tibial, stem and augment sizes so that the surgeon does not have to compromise fit.

Uniform sizing of all components from LEGION primary to revision and hinge.

LEGION Primary, Revision and Hinge share the same bone conserving femoral resections.



## Form

### Anatomic Design

Anatomic asymmetric tibia allows the surgeon to customize tibial component to each patient's anatomic requirements.

Anatomic femoral trochlear groove is based on the clinically proven GENESIS<sup>°</sup> II and LEGION primary and revision design.

LEGION system continuum, from primary to revision to hinge, system components and augments are compatible allowing the surgeon to focus on the patient and not the system.

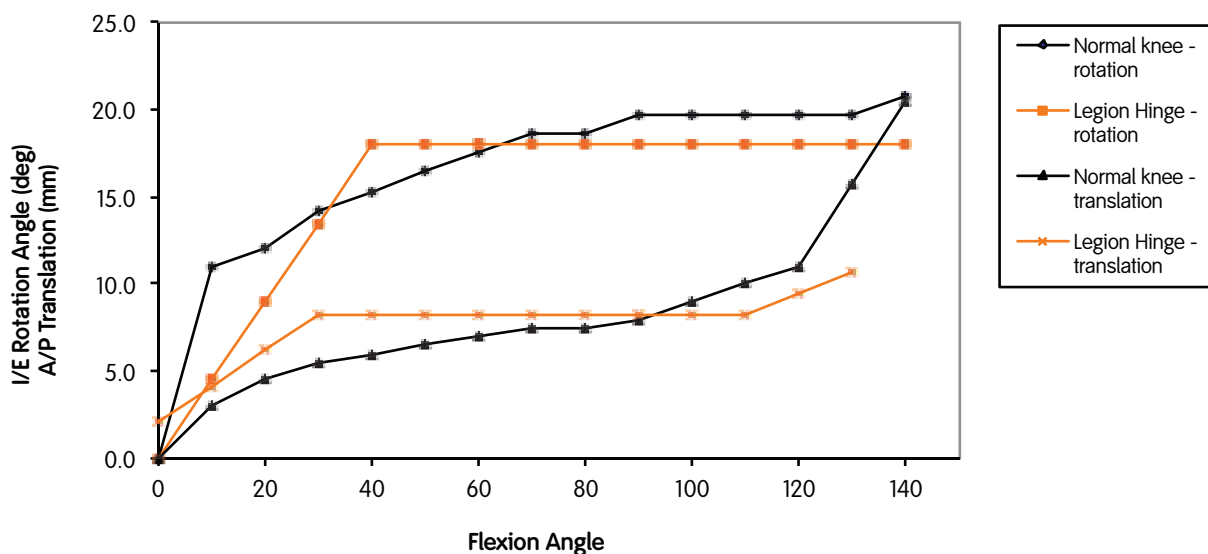
# Function

## Kinematics

An average of 96% condylar loading removes the stress from the hinge link which promotes lower wear on the hinge device.<sup>1</sup>



Kinematic Guided Motion providing a natural range of motion<sup>2</sup> with medial pivot, lateral roll back and screw home.<sup>3</sup>



LEGION Revision and Hinge share the intuitive surgical technique and instruments thus making transition from a constrained knee to a hinge seamless.

### References

1. Hubbard K.; Condylar Load Measurement of the LEGION® Hinge Knee System. Smith & Nephew Inc. Orthopaedic Research Report, OR-09-30, April 2009.
2. Johal P, et al. "Tibio-femoral movement in the living knee". J Biomech. 38(2): 269-76. 2005.
3. Dees R: Design and Optimization of a Guided Motion Hinged Knee System. Smith & Nephew Inc., Technical Report, OR-12-036, April, 2012.

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