

EMPOWR Knee System™

NATURAL MOTION TECHNOLOGY



EMPOWR 3D Knee™

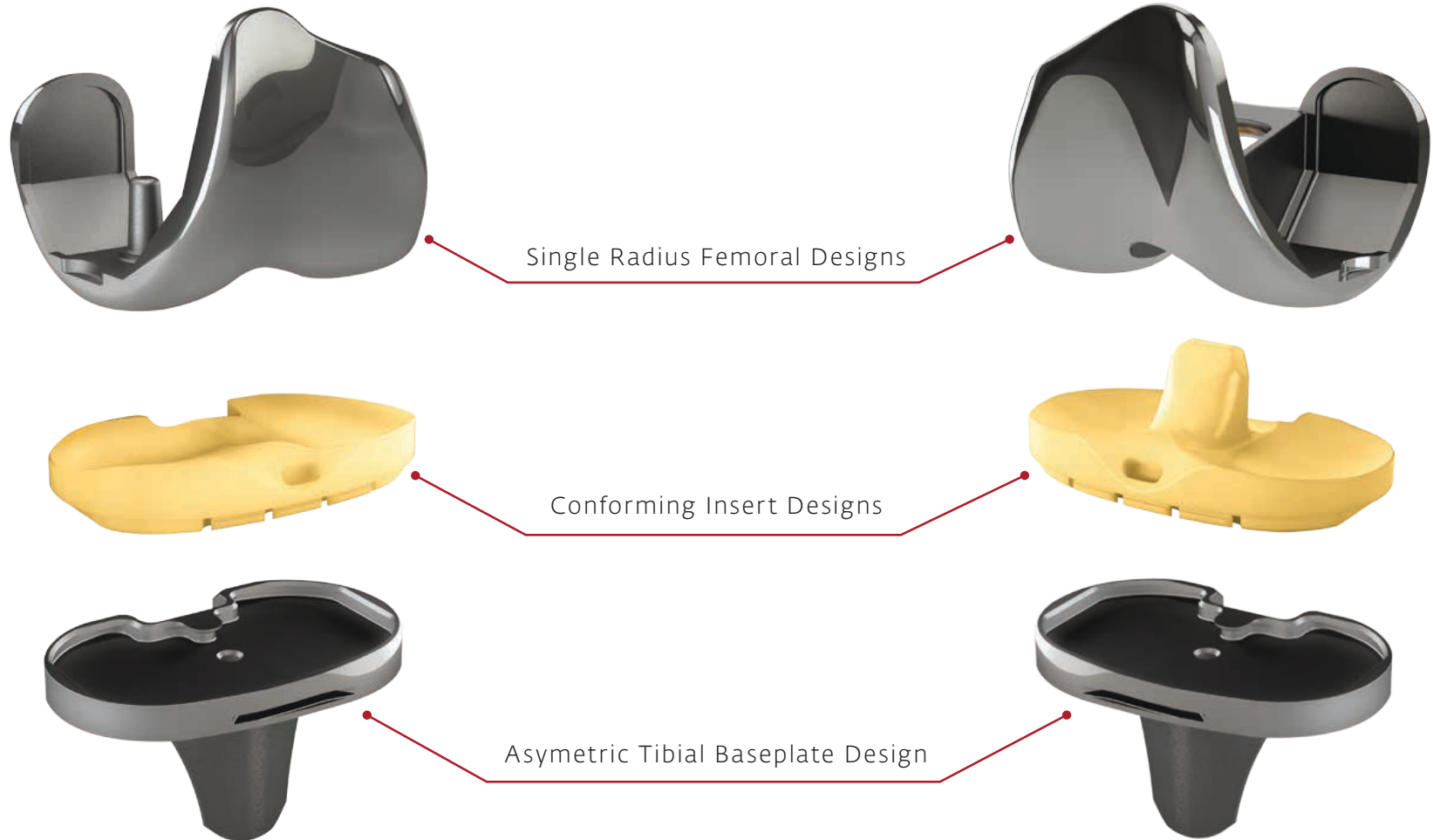


EMPOWR PS Knee™

FEATURES BROCHURE

EMPOWR Knee System™

The conforming insert of the EMPOWR 3D Knee enables its use with or without a PCL. The EMPOWR PS Knee replaces PCL function through a cam and post design.

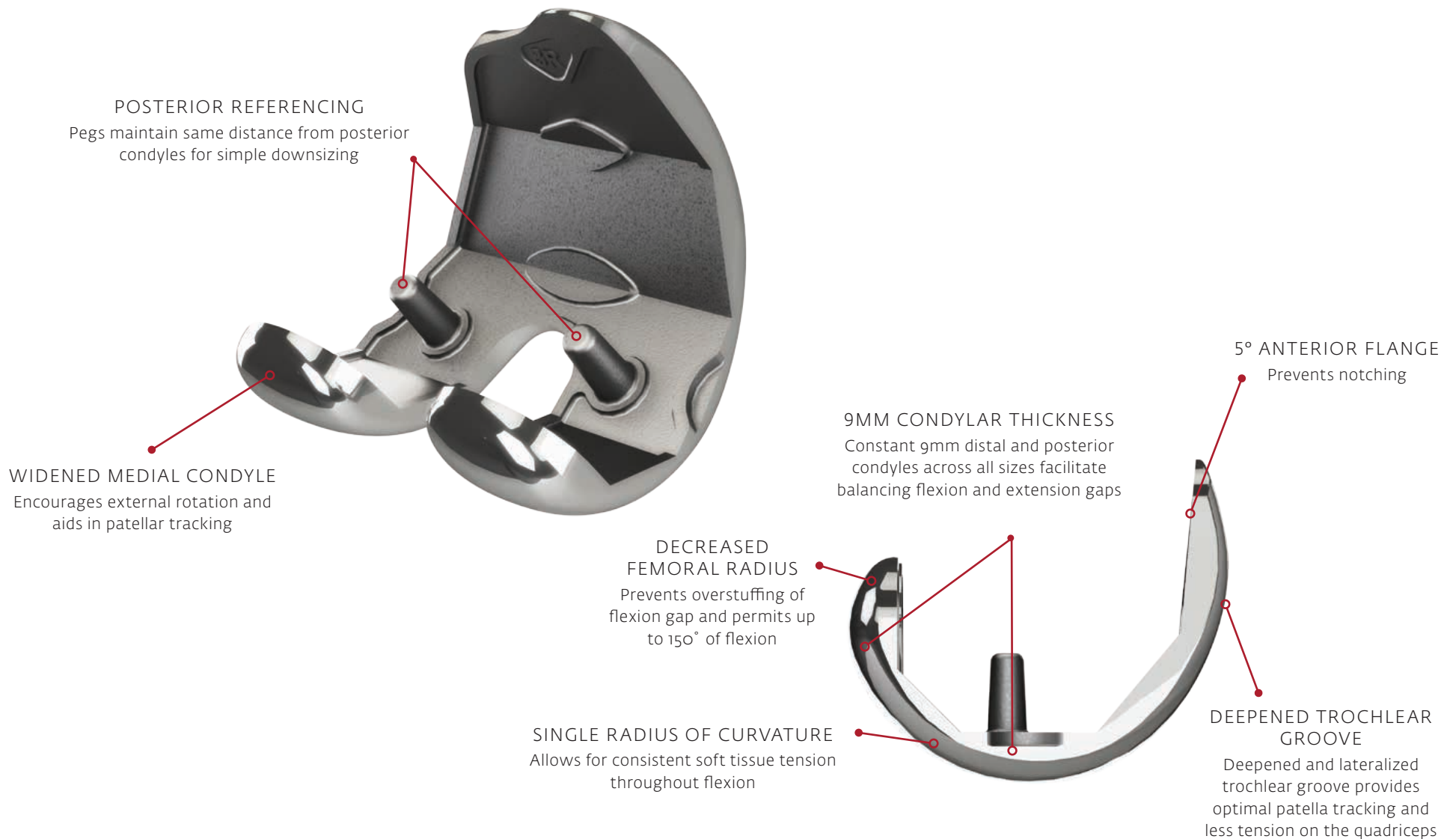


EMPOWR 3D KNEE™

EMPOWR PS KNEE™

EMPOWR 3D FEMORAL COMPONENT

The proprietary natural pivot articulation of the EMPOWR 3D Knee™ replicates natural motion throughout a full range of motion, from early to deep flexion, creating a more natural feeling knee.



EMPOWR PS FEMORAL COMPONENT

The EMPOWR PS Knee™ recreates natural stability throughout a full range of motion, from early through deep flexion, creating a more natural feeling knee.

BONE SPARING BOX WIDTHS
Preserves bone in smaller joints and are available two widths:
Sizes 2-5 (18.5mm)
Sizes 6-11 (22.5mm)



CONTOURED PS CAM
Facilitates rotation in deep flexion and minimizes post wear

DECREASED FEMORAL RADIUS
Prevents overstuffing of flexion gap and permits up to 150° of flexion

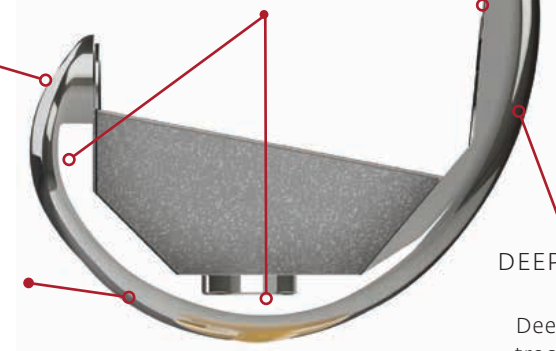
SINGLE RADIUS OF CURVATURE
Allows for consistent soft tissue tension throughout flexion

9MM CONDYLAR THICKNESS
Constant 9mm distal and posterior condyles across all sizes facilitate balancing flexion and extension gaps

5° ANTERIOR FLANGE
Prevents notching

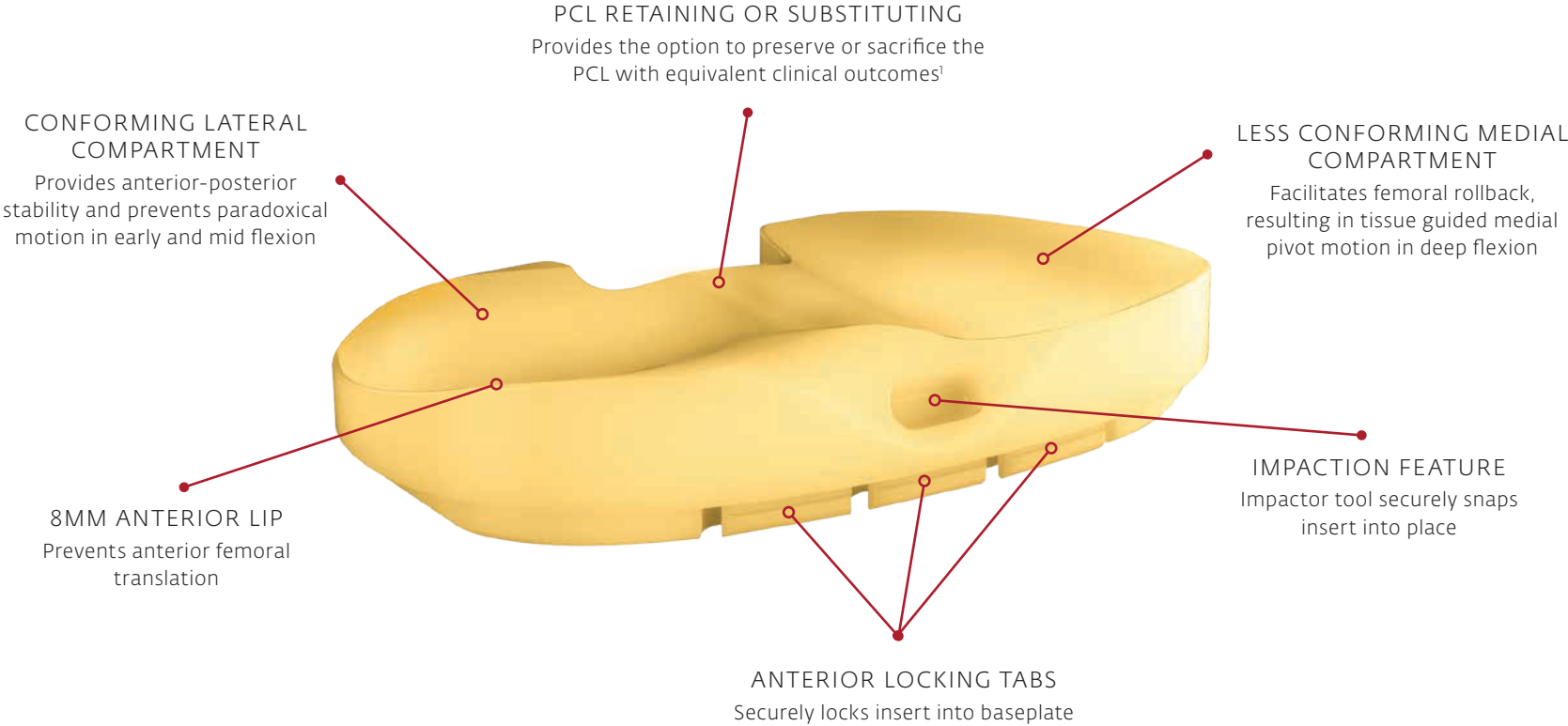
DEEPEMED TROCHLEAR GROOVE

Deepened and lateralized trochlear groove provides optimal patella tracking and less tension on the quadriceps



EMPOWR 3D TIBIAL INSERT

Recreates natural motion with natural pivot articulation.



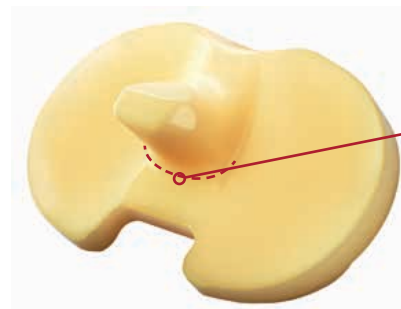
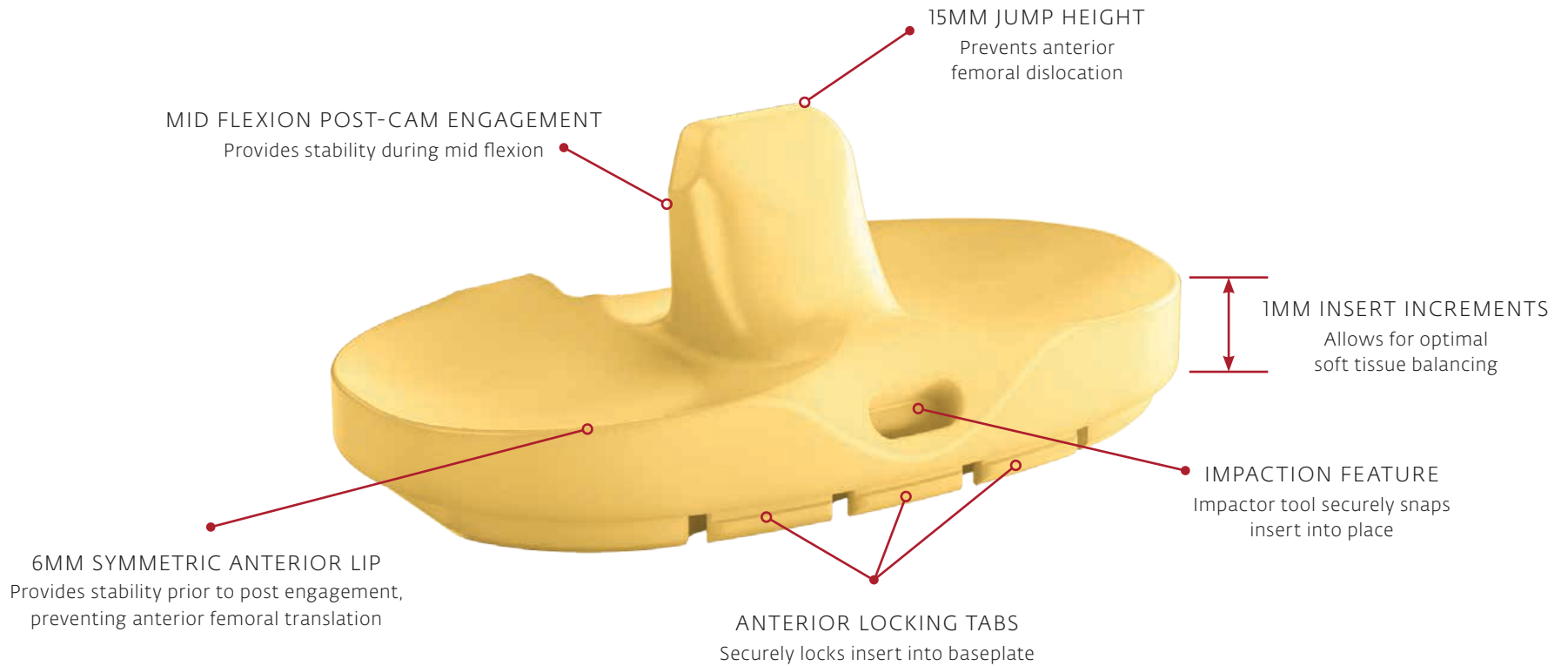
E+ POLYETHYLENE
The knee-specific formula of the tibial inserts and patella components are blended with vitamin E and moderately cross-linked to reduce oxidation and reduce long-term wear.²



PATELLA OPTIONS
Available in 26, 29, 32, 35 and 38mm options
For use with EMPOWR 3D and PS femurs

EMPOWR PS TIBIAL INSERT

Achieves natural stability through seamless cam articulation.



EMPOWR TIBIAL BASEPLATE

Asymmetric baseplate design maximizes coverage and optimizes baseplate fixation.

POSTERIOR CAPTURES
Secures posterior portion of insert

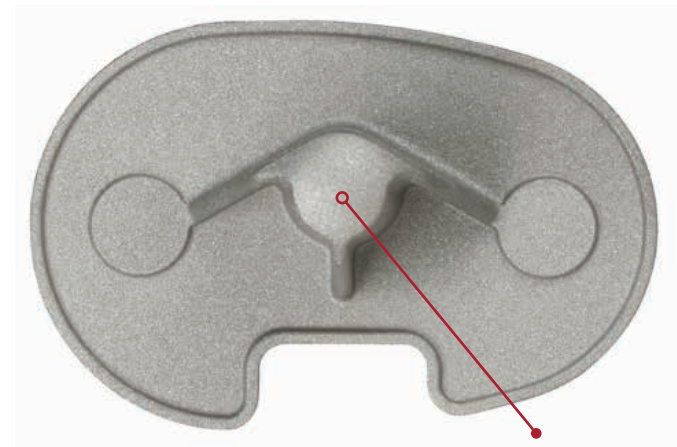


DOVETAIL LOCKING MECHANISM
Facilitates poly insertion and securely locks insert into place

TIERED KEEL SIZES
Preserve bone in smaller joints and are available in three lengths:

- Small: Sizes 2-3 (31mm)
- Medium: Sizes 4-8 (35mm)
- Large: Sizes 9-11 (43mm)

ASYMMETRIC BASEPLATE DESIGN
Maximizes cortical coverage and prevents overhang



WINGED KEEL DESIGN
Provides rotational stability



1. Melinda K. Harman, Stephanie J. Bonin, Chris J. Leslie, Scott A. Banks, and W. Andrew Hodge, "Total Knee Arthroplasty Designed to Accommodate the Presence or Absence of the Posterior Cruciate Ligament," *Advances in Orthopedics*, vol. 2014, Article ID 178156, 8 pages, 2014.

2. E+ testing data on file. Bench test results not necessarily indicative of clinical performance.



MOTION IS MEDICINE⁺

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