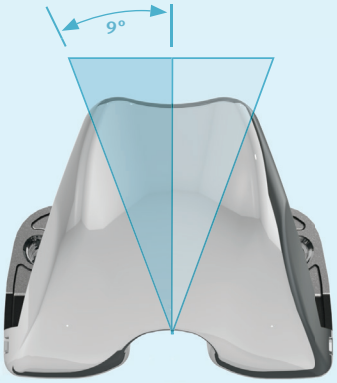
TOTAL
JOINT
ORTHOPEDICS

# KLASSIC® PS-POST™ KNEE SYSTEM

## COMPLETE KNEE SYSTEM

The Klassic PS-Post Knee is a modern universal design that offers seven sizes of femurs, six sizes of tibial inserts and baseplates, and five sizes of patellae to accommodate a variety of patient anatomy and provide a precision fit. The system requires only one tray of streamlined instrumentation for up to 90% of surgeries in order to reduce O.R. time and sterilization costs, help reduce the incidence of infection, and optimize efficiency and ergonomics, without preoperative imaging, templating, or disposables.[1,2] Modularity permits stems and augments* to offer a variety of surgical options for each patient's anatomy throughout an Evolution of Stability™ with the bone conservation of a primary implant.

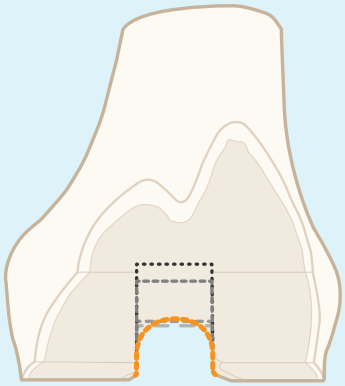



## BONE PRESERVING DESIGN

The Klassic PS-Post Femur offers a low-profile, bone conserving implant. The low volume anatomical resection of the PS-Post is an industry-leading design for bone conservation, reducing stress risers and fracture potential. An anatomical reamer preparation helps to reduce the risk of condylar fracture while supporting a 14mm minimum jump height.

## KLASSIC® PS-POST™ FEMUR

The PS-Post Femur features a patented[3] trochlear groove that allows exceptional patellar tracking along a 9° double Q-angle on both left and right anatomy. The femur offers anatomically tapered posterior condyles, a thin anterior flange, a proportional AP/ML ratio, and a neutral anterior flange shape to minimize potential lateral overhang. Modular femoral pegs are available for further stabilization.



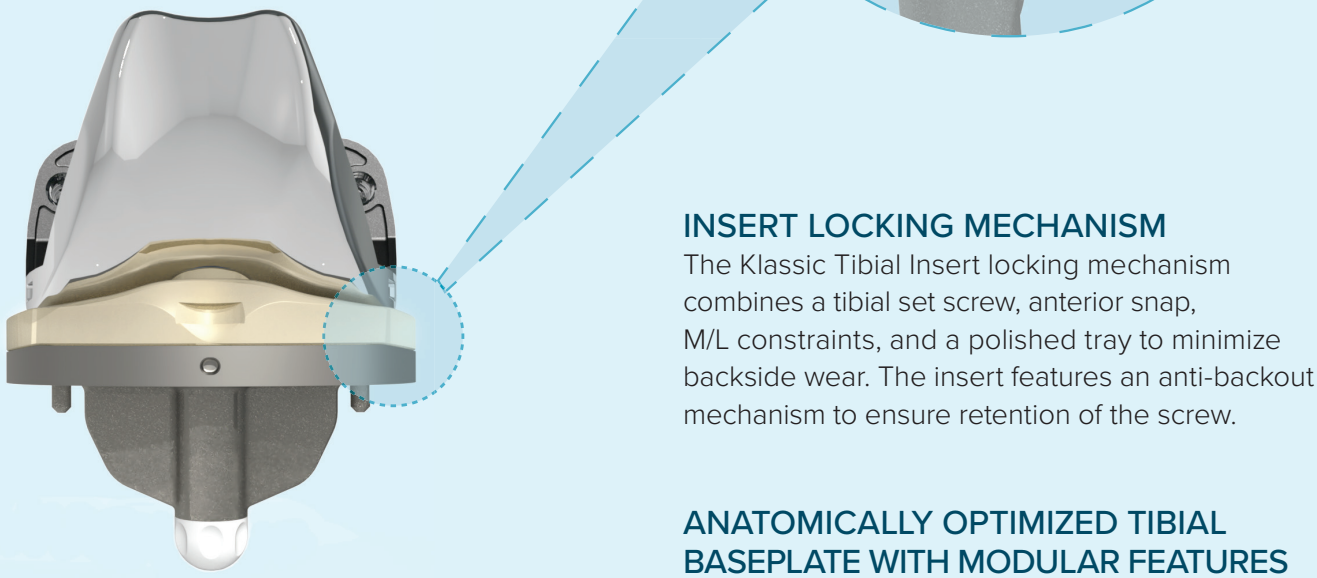
RESECTION VOLUME

- TJO Klassic® PS-Post™
- Persona
- Attune
- Triathlon
- Vanguard

**EFFICIENCY BY DESIGN®**

## CONFORMING CONGRUENCY

The M/L edges of the tibial baseplate and inserts have matching conforming geometry to provide consistent polyethylene thickness all the way to the peripheral edges. One-to-one sizing for femur/insert articulation maximizes congruency and optimizes mid-flexion stability.



## INSERT LOCKING MECHANISM

The Klassic Tibial Insert locking mechanism combines a tibial set screw, anterior snap, M/L constraints, and a polished tray to minimize backside wear. The insert features an anti-backout mechanism to ensure retention of the screw.

## PS-POST™ POSTERIOR STABILIZED INSERT

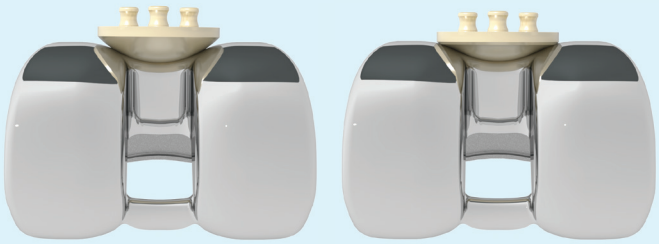
The PS-Post insert restores natural gait throughout the range of motion. A congruent anterior articulation provides mid-flexion stability, and the curve of the femur is engineered to provide a gentle hand-off to the post for smooth, kinematic roll-back.

## ANATOMICALLY OPTIMIZED TIBIAL BASEPLATE WITH MODULAR FEATURES

The tibial baseplate is designed to optimally cover the tibial plateau using a universal geometry. The sweptback keel offers 4° of posterior slope and features modularity to allow for stem extensions and augments*.

## KLASSIC® PATELLA

The geometrically forgiving Klassic Domed and Klassic Sombrero Patellae optimize patellofemoral contact area during tracking.



## E-LINK® VITAMIN E STABILIZED POLY

E-Link Poly is cross-linked at 10 MRads, quenching free radicals generated during the cross-linking process, yielding oxidative stability, and increasing strength without brittleness. E-Link has shown improved wear characteristics over standard polyethylene.[4]


[1] Mont MA, Johnson AJ, Issa K, Pivec R, Blasser KE, McQueen D, et al. Single-use instrumentation, cutting blocks, and trials decrease contamination during total knee arthroplasty: a prospective comparison of navigated and nonnavigated cases. *J Knee Surg.* 2013.

[2] Attard A, Tawy GF, Simons M, Riches P, Rowe P, Biant LC. Health costs and efficiencies of patient-specific and single-use instrumentation in total knee arthroplasty: a randomised controlled trial. *BMJ Open Qual.* 2019.

[3] US Patents 9,289,305 and D755,971

[4] Study in collaboration with Dartmouth Biomedical Engineering Center. Data forthcoming


*Not available for sale in the US*

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