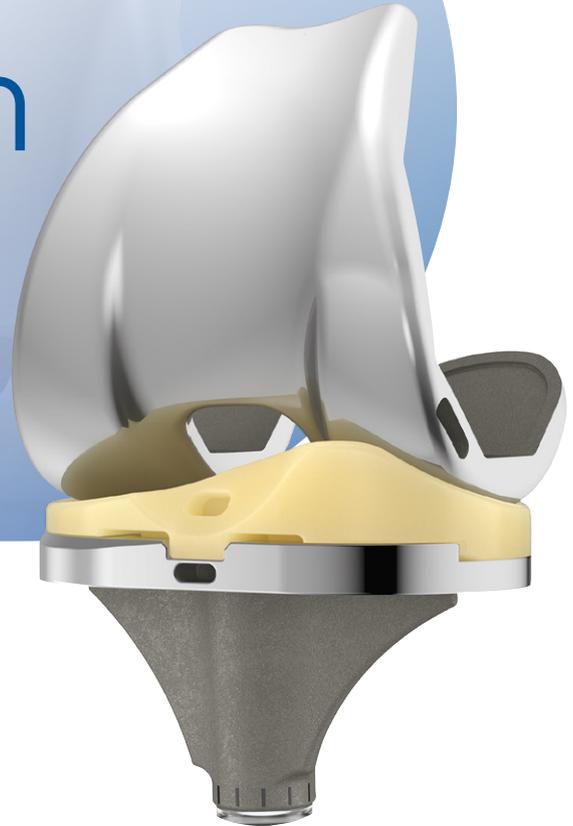


# 5C<sup>®</sup> LATic Knee System



# Connection Through Innovation

Developed by implantcast in collaboration with experts from five continents, the **5C<sup>®</sup>** knee system (*5 Continents*) represents global expertise and forward-thinking design.

With four distinct system variants, each tailored to a specific kinematic principle, the system offers individualized solutions for a wide range of anatomical and functional needs.

The **5C<sup>®</sup>** LATic system specifically supports the natural kinematics of the knee and preserves as many native stabilizers as possible. Lateral stabilization of the condyle near the extension reduces paradoxical anterior sliding and thus retropatellar pressure, which often leads to complications. In combination with the physiological rotation of the tibia, additional space is created for the patella.

## Milestones 5C<sup>®</sup>





### **Lateral Stabilized**

with a true “ball-in-socket” design



### **Preserving cruciate ligament**

with lateral stabilisation close to extension



### **Improved Patella Tracking**

due to optimized sulcus angles



### **Ultra-Slim Design**

only 8mm implant thickness



### **Precise Fit**

thanks to fine size increments

# LATic – Laterally Stabilized, Natural Dynamic



## Lateral Stabilization near Extension

due to single-radius design and true lateral “ball-in-socket” up to 58° flexion



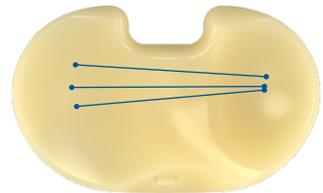
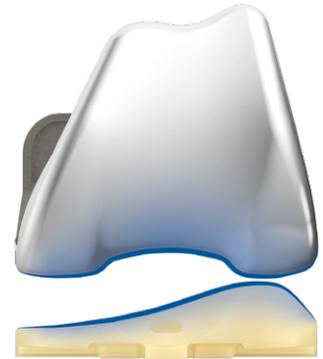
## Reduces Patellar Pressure

lateral “ball-in-socket” articulation prevents anterior translation of the lateral femoral condyle

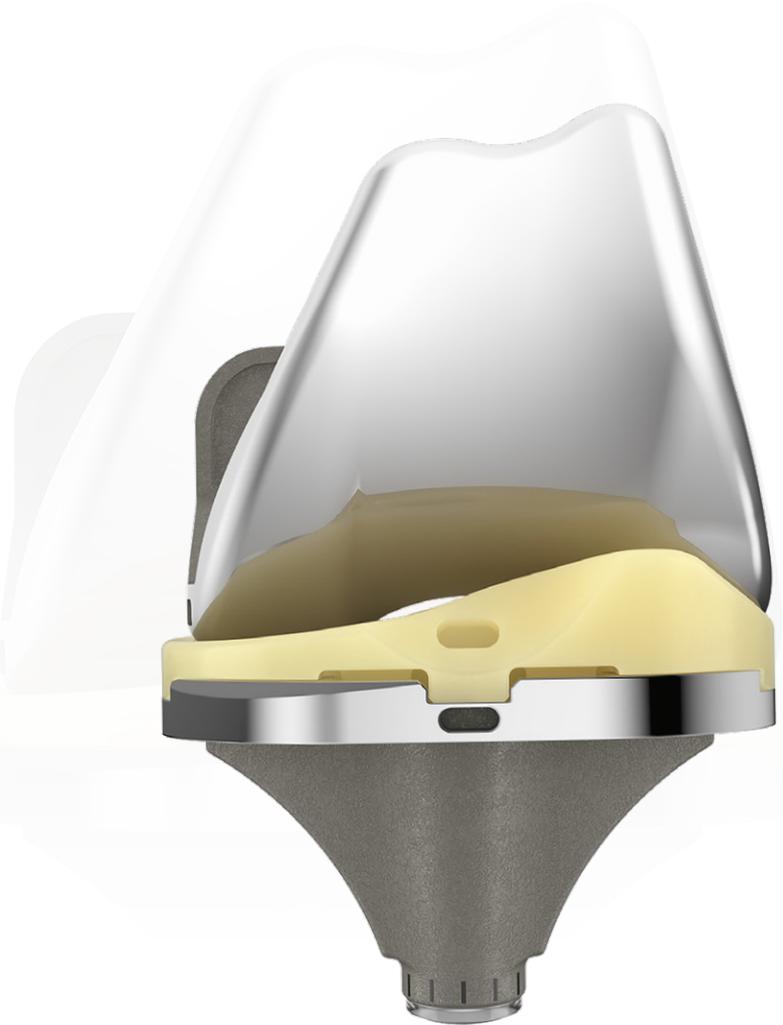


## Supports Natural Motion

reduced congruency in flexion enables femoral rollback and soft-tissue-guided joint movement



Contact points between the femur and PE insert at different degrees of flexion



### **Optimized Patella Tracking**

2 mm lateralization combined with a trochlear groove aligned with the quadriceps pull direction



### **High Sulcus Angle**

ensures smooth patellar engagement, natural tracking, and minimizes the risk of overstuffing



### **Optimized Patellofemoral Contact Surface**

lowers contact pressure and allows for a more physiological patellar tilt and shift

# Uncompromising in Design – Reliable in Performance



## Standardized Components

identical preparation with only 8 mm femoral and 9 mm tibial resection



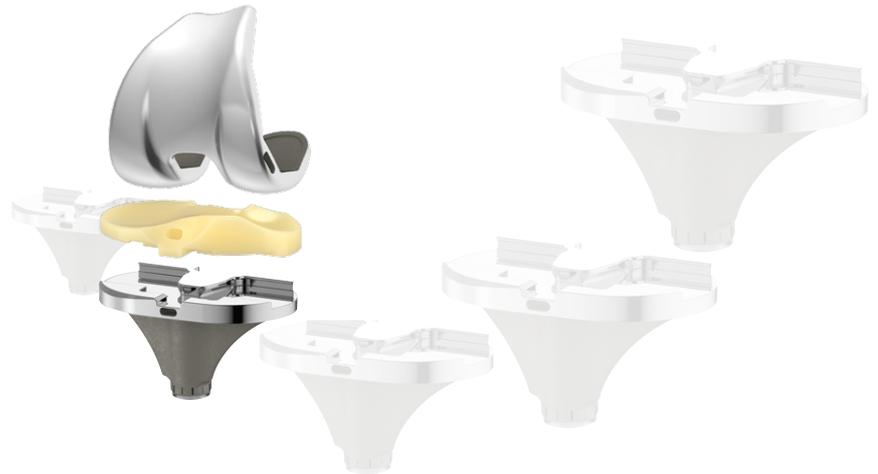
## Reproducibility by Design

the femoral component defines the size of the PE insert



## Flexible Compatibility

cross-size combination of PE inserts and five tibial components





### **Fewer Trays, Greater Efficiency**

only four streamlined containers for fast and efficient handling



### **Tailored Precision**

ergonomic, functional and intuitive instruments for individualized adjustment



### **Technology-Driven Implantation**

image-free navigation and collaborative robotics for optimal outcomes



walk with us

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