The fit you can feel
The fit you can feel

*Zimmer®* Patient Specific Instruments streamline total knee replacement surgery by ensuring accurate and reproducible guide fixation. Our proprietary stabilizing features enhance guide fixation while ensuring the end surgical result matches your preoperative plan. Based on the patient’s MRI, mechanical axis-based pin guides conform precisely to the patient’s anatomy. *Zimmer* Patient Specific Instruments simplify the total knee process from start to finish without compromising your surgical decision making, surgical technique, or intraoperative flexibility. *Zimmer* Patient Specific Instruments can give you the fit you can feel.

**The fit you can feel**
The custom pin guides are designed with position stabilizing features and anatomical reference lines including the transepicondylar, mechanical and AP axis to verify positioning and eliminate variability of placement.

Femoral Pin Guide  
*Anterior ridge stabilizing mechanism on the femur guide ensures a secure fit.*

Tibial Pin Guide  
*Posterior hook on the medial side of the tibia guide stabilizes guide and eliminates lateral rotation.*

3-D modeling from MRI captures true patient anatomy.
Surgeon controlled customization
The Zimmer Patient Specific Instruments Planner is the next generation in surgical planning. Preoperatively, the surgeon can view the patient’s anatomy in its purest geometrical form to develop a customized surgical plan for each patient.

Preoperative determinations include:
- **Implant Selection**
- **Implant Size**
- **Resection Depth**
- **Femoral Rotation**
- **Varus/Valgus**
- **Flexion/Extension**
- **Posterior Slope**

Reduced instrumentation solution
Through preoperative determinations, Zimmer Patient Specific Instruments can facilitate a reduction in conventional instrumentation requirements. Fewer instruments can increase OR efficiencies while reducing inventory and other instrument labor costs.
Mechanical axis alignment

*Zimmer* Patient Specific Instruments are based upon the clinically proven principles of mechanical axis alignment. Alignment in total knee arthroplasty remains a crucial factor in the function and longevity of the replacement joint. Studies demonstrate that malalignment causes increased wear of the implant and premature failure of the construct.¹ *Zimmer* Patient Specific Instruments combine advancements in instrument technology with proven orthopaedic alignment principles to help ensure surgeon and patient success.

Revolutionary instruments with revolutionary implants

Combining Patient Specific Instruments and individualized implant options with industry-firsts such as *Gender Solutions™* Knees and High Flexion technologies, Zimmer now provides even greater solutions for your patients.

Other industry firsts include:
- MIS procedures
- *Trabecular Metal™* Technology
- *Prolong®* Highly Crosslinked Polyethylene

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