

Low Profile Instrumentation

The Exactech Low Profile family of instruments provides the tools necessary to address multiple incision approaches. Reduced overall size and unique design features facilitate optimal exposure and minimal soft tissue disturbance.

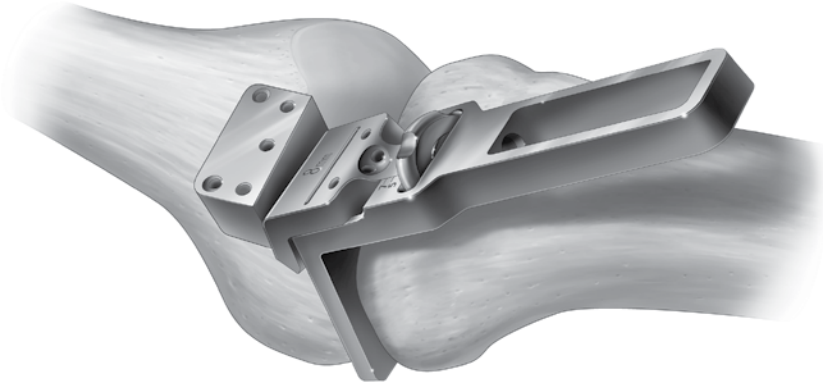


Figure 2 (Above). LPI Uni Extension Tensor



Figure 3 (Right). LPI Uni Posterior Femoral Resection Guide

References

1. **Furman BD, Lai S, Stephen Li S.** A Comparison of Knee Simulator Wear Rates Between Directly Molded and Extruded UHMWPE. Presented at Society for Biomaterials, 2001.

2. **Benson LC, DesJardins JD, LaBerge M.** Effects of in vitro wear of machined and molded UHMWPE tibial inserts on TKR kinematics. *J Biomed Mater Res* 2001 July; 58(5): 496-504.

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A Great Day in the O.R.™



THE RIGHT TRACK

*It's not just a road we're on,
it's a trail we're blazing.*



Exactech®

Optetrak® Unicondylar Knee System

The Optetrak Unicondylar Knee System provides for bone preservation through proper ligament tensioning. Optetrak Low Profile Instrumentation™ (LPI) provides for optimized surgical exposures while biomechanically inspired articular geometry and exclusive net-molded polyethylene facilitate restoration of knee function.

Bone Preservation

Easy-to-use instruments are integral to the technique. Ligament tensioning guides the tibial resection (*Figure 1*), providing for a bone-preserving cut.

Low Profile Instrumentation

The Optetrak Uni instrumentation, part of the Exactech family of Low Profile Instrumentation, is designed for a small skin incision and minimal soft tissue disturbance.

Femoral/Tibial Coverage

Comprehensive femoral/tibial coverage is achieved through a broad sizing scope and implant positioning instrumentation. The system includes six symmetrical femoral components and six asymmetrical tibial components.

Biomechanically Inspired

The all-polyethylene tibial component features a two-stage articular surface. Primary articulation occurs in the central “live” zone. This area is surrounded by a rim with a decreased radius to provide constraint at extreme ranges of motion. This design allows articular sliding with a soft stop that approximates typical knee function with four intact ligaments.

The shaded area represents a “live” zone, which is surrounded by a rim with a decreased radius to provide constraint at extreme ranges of motion.

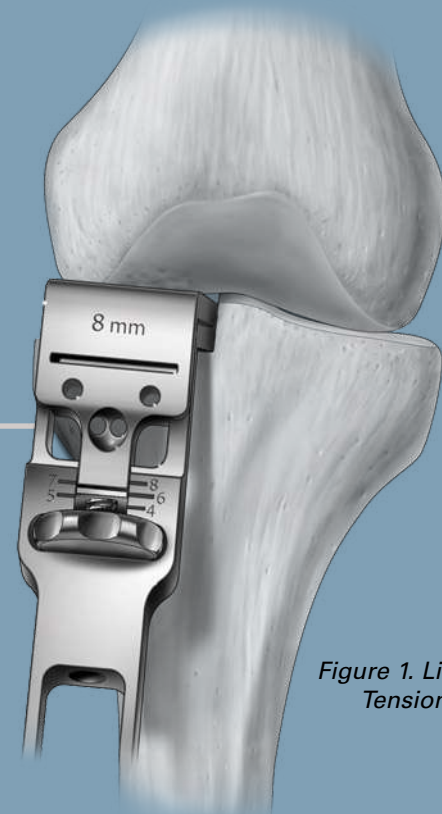
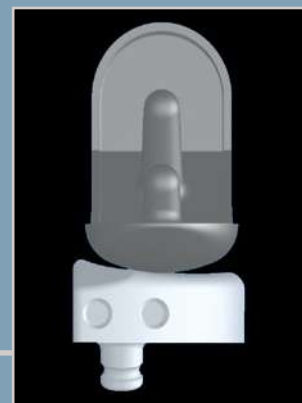


Figure 1. Ligament Tensioning



- A** Single M/L radius provides for up-sizing and down-sizing
- B** Angled pegs ensure fixation throughout range of motion
- C** Tibial keel/peg geometry provides ease of insertion
- D** Central “live” zone provides free articulation
- E** All-polyethylene tibial component features proven net compression molded technology^{1,2}



Peripheral rim on all-poly tibial component limits extreme subluxation.