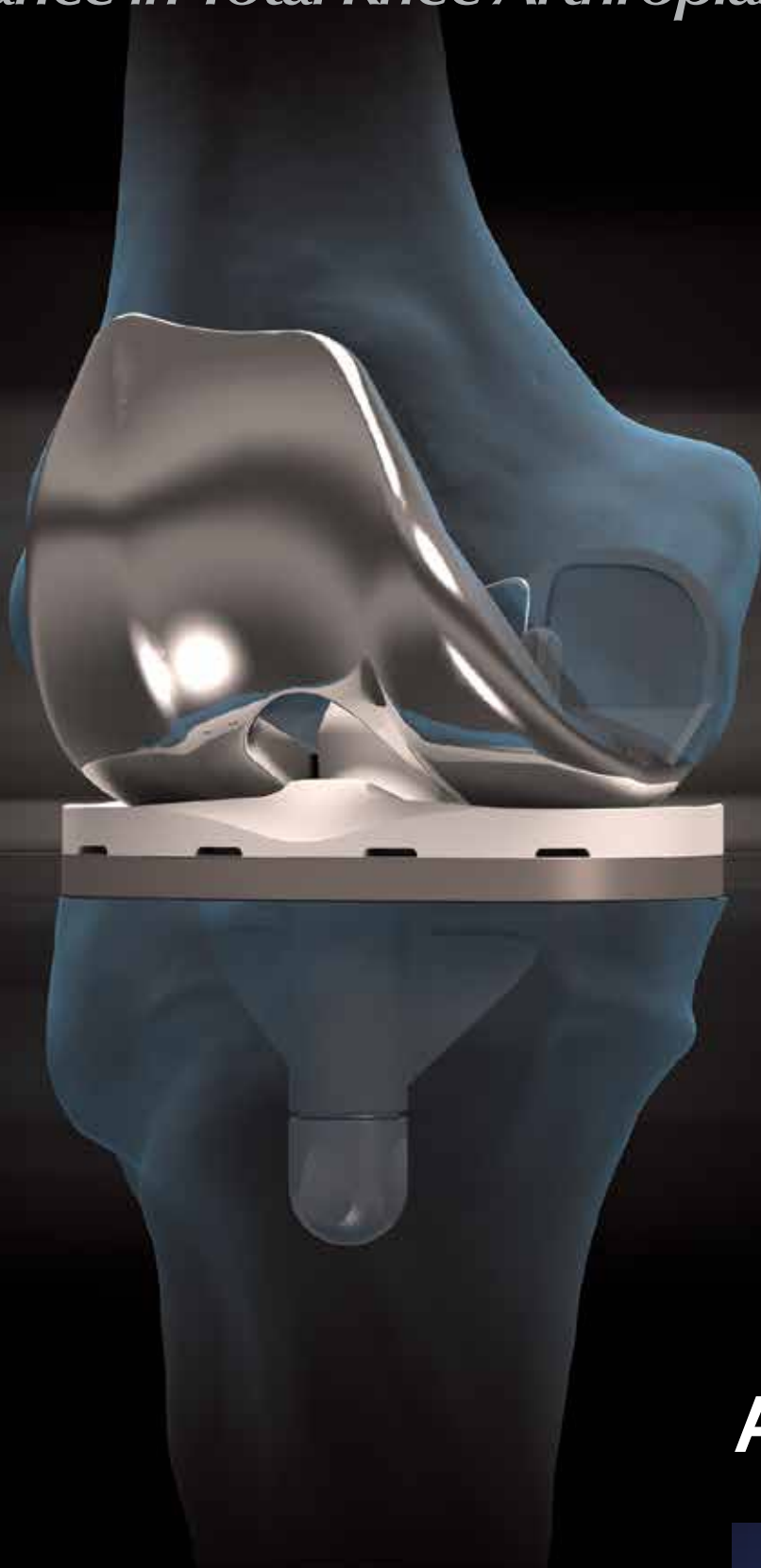


iBalance[®] TKA

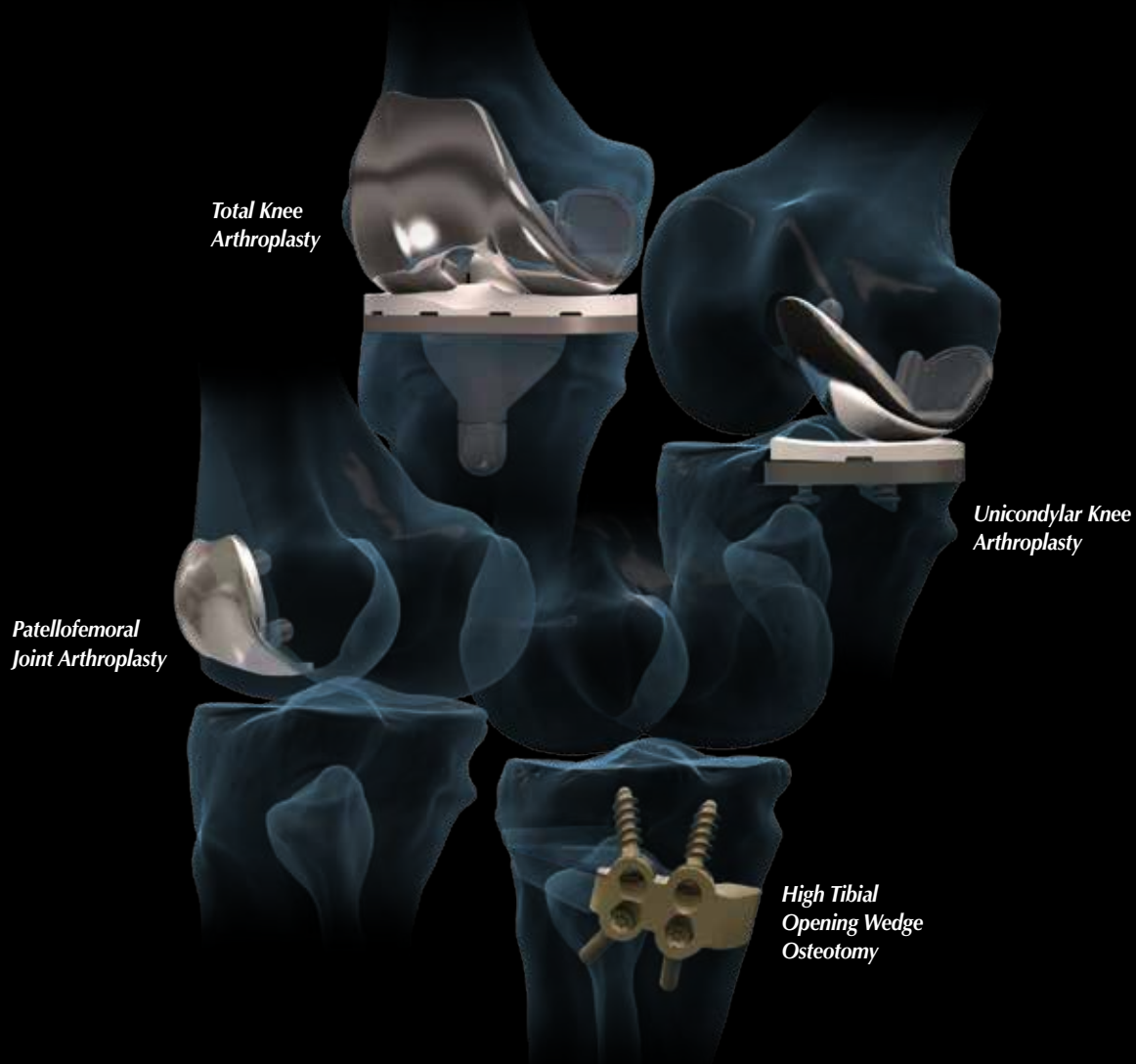
*The Ideal Balance of Simplicity and
Performance in Total Knee Arthroplasty*



Arthrex[®] 

By merging advanced preservation and restoration principles, Arthrex® is extending the surgeon's ability to provide a broader continuum of care to treat their patient's entire cascade of knee pathology. We understand that it is important for surgeons to offer their patients the best options to treat the progression of joint degeneration and the underlying injuries they may encounter throughout their lifetime. As a leader in providing the most innovative solutions for knee preservation procedures, Arthrex is now providing surgeons with advanced solutions to extend their reach and help treat their patient's early-to-advanced stage compartmental osteoarthritic conditions with the addition of the iBalance® family of implant systems.

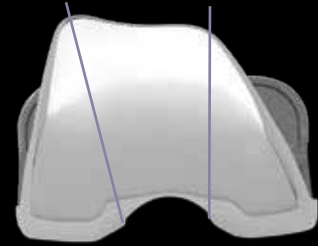
These innovative realignment and resurfacing systems were developed through years of tireless research in understanding how to maintain the most normal knee kinematics possible while taking the least amount of bone necessary. Like our innovative knee preservation solutions, these new and innovative platforms were designed to facilitate a highly accurate and reproducible surgical technique and efficient operating room workflow, while providing instrument and implant flexibility to correctly and accurately balance the patient's knee through the entire range-of-motion.



Balanced Implant Sizing ... Without Compromise

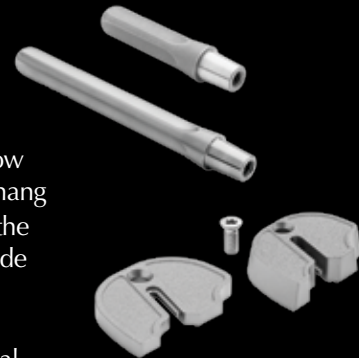
FEMUR

- Available in cemented PS and CR configurations in ten sizes
- Consistent implant growth in the A/P and M/L dimensions facilitates accurate sizing of components to match the patient's anatomy
- Funnel-shaped trochlear groove design accommodates both male and female Q-angle variations to minimize maltracking while becoming more congruent in flexion leading to more natural kinematics
- Thin and truncated anterior flange reduces bony resection and potential overstuffing of the patellofemoral compartment
- Open box PS femoral component design with radiused notch prep and minimal bone removal reduce stress risers
- Continuously decreasing sagittal radius design facilitates smooth and balanced range-of-motion and ligamentous stability with rotational freedom through deep flexion up to 148°



POLYETHYLENE

- Available in vitamin E and standard, moderately crosslinked material options
- CR, CR Plus and PS configurations
- 1 mm increment thicknesses for optimal ligament tensioning



TIBIA

- Symmetric baseplate design in ten sizes with optimized sizing ratio to allow for proper external rotation of the component without posterolateral overhang
- Peripheral rim locking mechanism allows for simple, secure insertion of the polyethylene while minimizing the potential for micromotion and backside wear
- Modular post design allows for standard 40 mm stem length or optional 75 mm or 125 mm overall stem lengths depending on the amount of tibial support necessary
- 5 mm and 10 mm medial and lateral augments available for cases of deficient proximal tibial bone stock

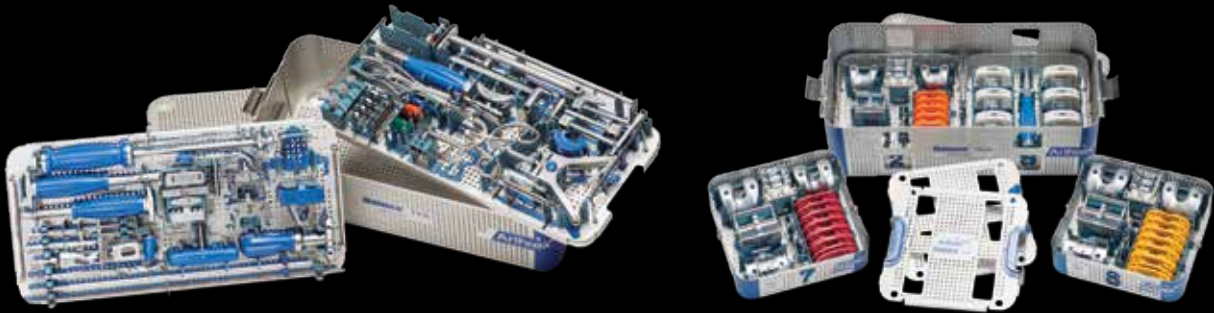


PATELLA

- Round dome design available in five diameters with corresponding thicknesses to maintain constant radius of curvature matching the trochlear groove of the femoral component
- Three pegs with constant peg hole array regardless of size
- ETO sterilized material for oxidative resistance and maintenance of material properties

iBalance® Patellar Implants	
SIZE	THICKNESS
27 mm	8 mm
30 mm	8 mm
34 mm	9 mm
37 mm	10 mm
40 mm	10 mm

Customizable Instrument Sets, Built-in Efficiencies, Minimized Footprint



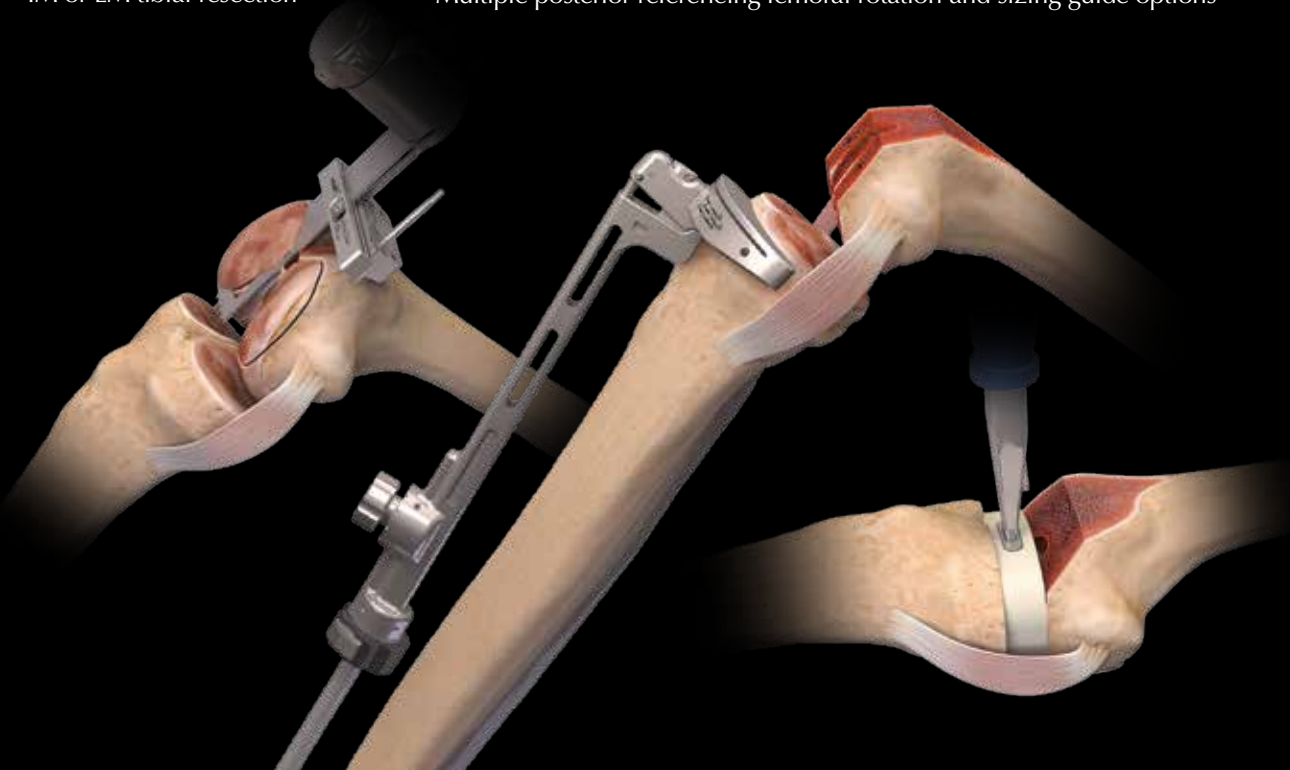
The iBalance® TKA Instrumentation platform is designed to streamline the operative field in your knee arthroplasty cases. This is accomplished by minimizing the amount of size-specific instrumentation that is presented onto the field and ultimately not used in that procedure.

The instrumentation is organized in such a way that one tray of general instrumentation for basic femoral, tibial and patellar preparation is opened onto the field to start the case and all size-specific femoral and tibial instruments are “kitted” by size and opened once the femoral size is determined. This allows a total knee arthroplasty case to be accomplished only opening one standard instrument tray and one small tray of instruments specific to the size implants that are needed in that case. The small size-specific trays are also designed to fit into instrument cases if that is preferred and, with this option, it is still possible to open just two trays to perform a total knee arthroplasty.

Predictable and Efficient Surgical Workflow and Outcomes

The operative technique for the iBalance TKA System allows for a reproducible method of balancing the flexion and extension gaps while allowing the surgeon the flexibility to perform the steps in the method they prefer, ensuring balanced gaps and near-natural kinematics of the operative compartments:

- Femoral or tibial cut first
- IM or EM tibial resection
- Distal/posterior femoral cuts for gap balancing before committing to the chamfer cuts
- Multiple posterior referencing femoral rotation and sizing guide options



Implant Sizing Compatibility Matrix

TIBIA

SIZE		1	2	3	4	5	6	7	8	9	10		
		PART NO.	AR-513-T1	AR-513-T2	AR-513-T3	AR-513-T4	AR-513-T5	AR-513-T6	AR-513-T7	AR-513-T8	AR-513-T9	AR-513-T10	
FEMUR	PS Poly w/PS Femur	1	AR-516-1	PS-1	PS-2	PS-3							
		2	AR-516-2	PS-1	PS-2	PS-3	PS-4						
		3	AR-516-3	PS-1	PS-2	PS-3	PS-4	PS-5					
		4	AR-516-4		PS-2	PS-3	PS-4	PS-5	PS-6				
		5	AR-516-5			PS-3	PS-4	PS-5	PS-6	PS-7			
		6	AR-516-6				PS-4	PS-5	PS-6	PS-7	PS-8		
		7	AR-516-7					PS-5	PS-6	PS-7	PS-8	PS-9	
		8	AR-516-8						PS-6	PS-7	PS-8	PS-9	PS-10
		9	AR-516-9							PS-7	PS-8	PS-9	PS-10
		10	AR-516-10								PS-8	PS-9	PS-10
FEMUR	CR Poly w/CR Femur	1	AR-517-1	CR-1	CR-2	CR-3							
		2	AR-517-2	CR-1	CR-2	CR-3	CR-4						
		3	AR-517-3	CR-1	CR-2	CR-3	CR-4	CR-5					
		4	AR-517-4		CR-2	CR-3	CR-4	CR-5	CR-6				
		5	AR-517-5			CR-3	CR-4	CR-5	CR-6	CR-7			
		6	AR-517-6				CR-4	CR-5	CR-6	CR-7	CR-8		
		7	AR-517-7					CR-5	CR-6	CR-7	CR-8	CR-9	
		8	AR-517-8						CR-6	CR-7	CR-8	CR-9	CR-10
		9	AR-517-9							CR-7	CR-8	CR-9	CR-10
		10	AR-517-10								CR-8	CR-9	CR-10
FEMUR	CR Plus Poly w/CR Femur	1	AR-517-1	CR Plus-1	CR Plus-2								
		2	AR-517-2	CR Plus-1	CR Plus-2	CR Plus-3							
		3	AR-517-3		CR Plus-2	CR Plus-3	CR Plus-4						
		4	AR-517-4			CR Plus-3	CR Plus-4	CR Plus-5					
		5	AR-517-5				CR Plus-4	CR Plus-5	CR Plus-6				
		6	AR-517-6					CR Plus-5	CR Plus-6	CR Plus-7			
		7	AR-517-7						CR Plus-6	CR Plus-7	CR Plus-8		
		8	AR-517-8							CR Plus-7	CR Plus-8	CR Plus-9	
		9	AR-517-9								CR Plus-8	CR Plus-9	CR Plus-10
		10	AR-517-10									CR Plus-9	CR Plus-10

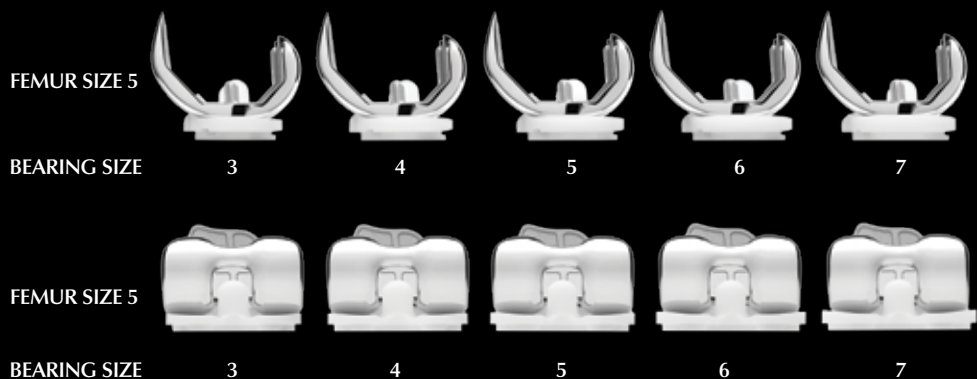
PS Bearing
(sizes 8 mm-20 mm)

CR Bearing
(sizes 8 mm-18 mm)

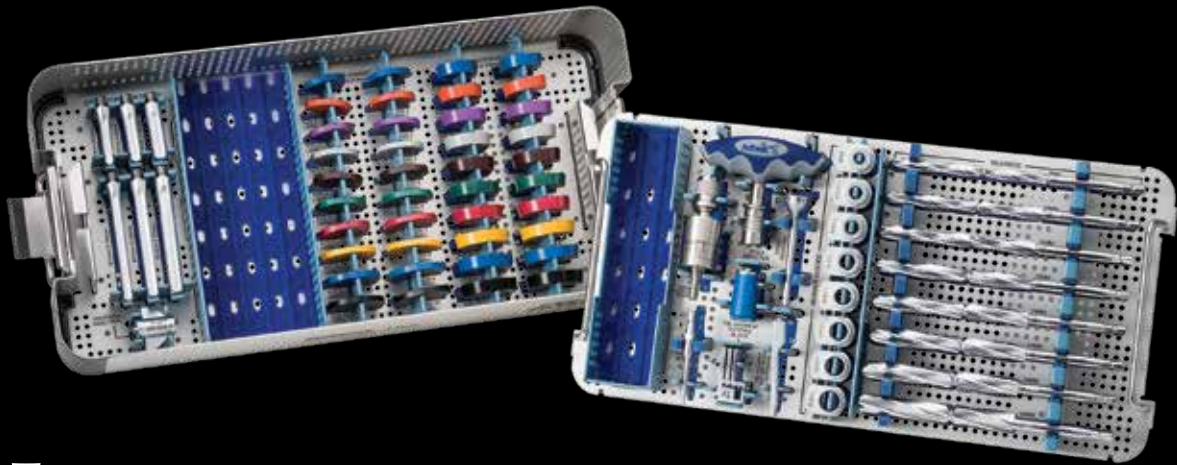
CR Plus Bearing
(sizes 8 mm-18 mm)

SIZING

- PS and CR tibial and femoral components can be mismatched up or down by two sizes to further accommodate personalized patient needs. CR Plus can be mismatched up or down by one size.
- Femoral dual-condylar coronal radii maintain 100% congruency



Tibial Stems and Augments Instrument Set and Implants



The iBalance® TKA System offers tibial stems and augments for cases where there is deficient bone stock in the proximal tibia.

- Augments are available in 5 mm and 10 mm for both the medial and lateral tibia, and may be used together to create a complete augment
- Stems are available in 10 mm, 12 mm and 14 mm diameters in both 50 mm and 100 mm extension lengths (75 mm and 125 mm overall lengths). The stems are fluted, blast finished and designed to be implanted with bone cement
- The instrument set includes tibial canal reamers, implant assembly/disassembly tools and stem and augment trials





View U.S. patent information at www.arthrex.com/corporate/virtual-patent-marking