

Balanced Knee® Revision System





MODULAR FEMORAL COMPONENT

- Junction box allows for A/P translation of the femoral stem
- Trochlear groove is deepened without the need for additional bone resection
- Distal and posterior augmentation options to restore joint line and bone loss
- Compatible with BKS Primary Posterior Stabilized (PS) and Constrained (CK) tibial inserts

MODULAR TIBIAL COMPONENT

- Hemi wedges in 10° and 20°, and hemi blocks in 5mm, 10mm and 15mm provide solutions for patients with tibial bone loss
- Modular stems with variable stem placement to maximize proximal tibia coverage
- Modular stems available in cemented and fluted options

TIBIAL INSERTS

- Posterior Stabilized (PS) inserts available in 1mm increments in conventional and E-Vitalize® polyethylene
- Constrained (CK) inserts are designed with a central pin for strength, compatible with BKS Revision Modular Femoral and Modular Tibial Components

LOCKING MECHANISM

- Patented* one-step locking mechanism provides 94% less micromotion than traditional locking mechanisms
- Continuous peripheral rail fully captures the tibial insert

PATELLAR COMPONENT

- Dome shaped, three-pegged design
- 5 different sizes in various thicknesses
- Available in conventional and E-Vitalize polyethylene

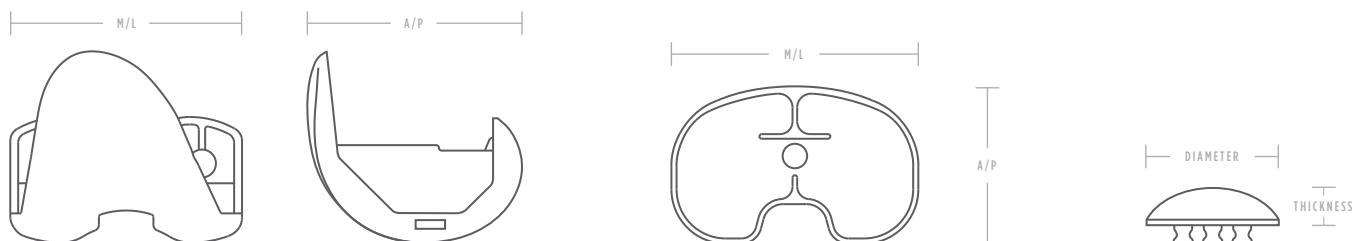


The BKS® Revision tibial inserts are interchangeable with the modular femoral components as illustrated in the chart. Shaded areas show tibial inserts.

		FEMORAL COMPONENT SIZE						
TIBIAL TRAY SIZE		1	2	3	4	5	6	7
	1	1	1					
	2	2	2	2				
	3		3	3	3			
	4			4	4	4		
	5				5	5	5	
	6					6	6	6

CK TIBIAL INSERT

Available in 6 sizes with thicknesses of 8mm, 10mm, 12mm, 14mm, 16mm, 18mm, 20mm, 22mm, 24mm, 26mm, 28mm and 30mm



MODULAR FEMORAL COMPONENT

SIZE	M/L (MM)	A/P (MM)
1	56.5	50.0
2	59.5	54.0
3	62.5	57.5
4	66.5	61.5
5	70.5	65.5
6	74.5	69.5
7	79.5	74.0

MODULAR TIBIAL TRAY

SIZE	M/L (MM)	A/P (MM)
1	57.5	36.5
2	61.0	39.0
3	65.0	41.5
4	69.5	44.5
5	75.0	48.0
6	80.5	51.5

PATELLA

SIZE (DIAMETER)	HEIGHT (THICKNESS)
29mm	7.5mm
32mm	8.0mm
35mm	9.0mm
38mm	10.0mm
41mm	11.0mm

FEMORAL AUGMENTS

Posterior: 4mm and 8mm
Distal: 4mm, 8mm and 12mm

TIBIAL AUGMENTS

Hemi wedge: 10° and 20°
Hemi block: 5mm, 10mm and 15mm

STEMS

Fluted Stems

Lengths: 80mm, 110mm and 150mm
Diameters: 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 20mm, 22mm and 24mm

Cemented Stems

Lengths: 30mm, 50mm, 80mm and 120mm
Diameters: 12mm and 14mm

Compatible with select components from primary BKS® and BKS TriMax.™



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*US Patent No 6,379,388

Escalade® Acetabular System



Escalade® Acetabular Shell

- True hemisphere design
- Titanium plasma spray coating
- Designed to maximize head size while maintaining bearing thickness
- Combination taper and snap locking mechanism
- Anti-rotational tabs are flush with the shell on all liners
- +0 liner face truly flush with the shell

Escalade® Polyethylene

- GUR 1020 resin utilized for superior mechanical properties
- 75kGy gamma irradiated crosslinking process
- Proprietary thermal treatment to eliminate free radicals
- EtO sterilized to maintain crosslinked integrity

Femoral Head Compatibility

- Ortho Development CoCr heads: 26mm, 28mm, 32mm, 36mm and 40mm
- Biolox® Delta Ceramic heads: 28mm, 32mm, 36mm and 40mm

Escalade® Compatibility Table

		SHELL DIAMETER														
		42	44	46	48	50	52	54	56	58	60	62	64	66	68	70
HEAD DIAMETER	26	26/42 +3	26/44 +1													
	28		28/44 +3	28/46 +1	28/48	28/50	28/52	28/54	28/56	28/58	28/60	28/62	28/64-70			
	32				32/48 +3	32/50 +1	32/52	32/54	32/56	32/58	32/60	32/62	32/64-70			
	36						36/52 +3	36/54 +1	36/56	36/58	36/60	36/62	36/64-70			
	40								40/56 +3	40/58 +1	40/60	40/62	40/64-70			
		HOODED LINERS AVAILABLE IN THESE SIZES														

Alpine® Hip Stem





Alpine® Hip Stem

- Clinically proven Conical Taper stem design
- Polished tip to mitigate distal point loading
- Titanium Plasma Spray coated proximal body surface for solid, long-term fixation
- Highly polished, optimized neck geometry improves overall range of motion
- Enhanced dimensions for excellent fit and proximal fixation
- Minimal Ream and Broach instrumentation simplifies surgical procedure
- Progressive 1mm sizing

STANDARD AND EXTENDED SIZES

SIZE	STEM LENGTH	NECK ANGLE	NECK LENGTH (STD)	NECK LENGTH (EXT)	HORIZONTAL OFFSET (STD)	HORIZONTAL OFFSET (EXT)	VERTICAL OFFSET
9	100	130°	29	32	34	39	27
10	104	130°	30	33	35	40	28
11	108	130°	31	34	36	41	29
12	111	130°	31	35	37	43	29
13	115	130°	32	36	37	43	30
14	119	130°	33	37	38	44	31
15	125	130°	33	38.5	39	47	31
16	130	130°	34	39.5	40	48	32
17	136	130°	35	40	40	48	33
18	142	130°	35	40	41	49	33
19	147	130°	36	41.5	42	50	34
20	153	130°	37	43	43	51	35

Alpine Hip Stem dimensions and offsets (all dimensions are in mm)

Ovation® Hip System



STANDARD AND EXTENDED SIZES - OVATION AND OVATION TRIBUTE

SIZE	OVATION STEM LENGTH	TRIBUTE STEM LENGTH	NECK ANGLE	HORIZONTAL OFFSET (STD)	HORIZONTAL OFFSET (EXT)	VERTICAL OFFSET	PROXIMAL WIDTH (M/L)	OVATION DISTAL WIDTH (M/L)	TRIBUTE DISTAL WIDTH (M/L)
1	98	74	132°	34	39	29	26	5	8
2	106	77	132°	34	39	29.5	27	6	9
3	108	80	132°	35	40	30	28	6	9
4	110	83	132°	37	43	32	29	7	10
5	114	86	132°	38	44	32	30	8	11
6	118	89	132°	38	44	33	31	9	12
7	122	92	132°	42	49	34	32	10	13
8	126	95	132°	43	50	34	34	11	14
8.5	—	96.5	132°	43	50	34.5	35	—	15
9	130	98	132°	44	51	34.5	36	13	16
9.5	—	99.5	132°	44	51	35	37	—	17
10	134	101	132°	47	55	36	38	16	18
10.5	—	102.5	132°	47	55	36	39	—	19
11	138	104	132°	48	56	36	40	18	20
11.5	—	105.5	132°	48	56	36	41	—	21
12	142	—	132°	49	57	36	42	20	—

Ovation and Ovation Tribute stem dimensions and offsets (all dimensions are in mm)



Ovation® Hip System

- M/L Tapered stem design provides excellent rotational stability and promotes 3-point fixation
- Accommodates multiple surgical approaches, including Direct Anterior
- Minimal Broach-Only instrumentation simplifies surgical procedure
- Standard and reduced lengths to address proximal/distal mismatch



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FEMORAL COMPONENT

- Available in Posterior Stabilized (PS) and Cruciate Retaining (CR)
- Standard and narrow sizes
- Open box design to minimize intercondylar bone removal and allow access to the canal for I/M nail implantation
- The trochlear groove is deepened without the need for additional bony resection



CR



CR NARROW

TIBIAL INSERT

- Cruciate Retaining (CR)
- Ultra Congruent (UC)
- Posterior Stabilized (PS)
- Posterior Stabilized (PS) E-Vitalize®
- Available in 1mm increments



CR



UC

TIBIAL TRAY

- One-piece design for overall component strength
- Bone-sparing keel design



LOCKING MECHANISM

- Patented* one-step tibial insert locking mechanism provides 94% less micromotion than traditional locking mechanisms
- Continuous peripheral rail fully captures the tibial insert





PS



TRIMAX PS



TRIMAX NARROW PS



PS



E-VITALIZE PS



PATELLAR COMPONENT

- Dome shaped, three-pegged design
- Available in conventional and E-Vitalize polyethylene

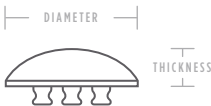
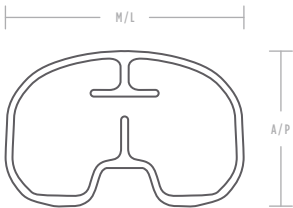
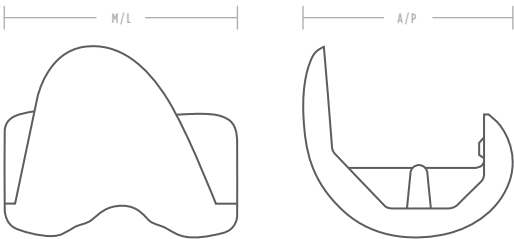


The Balanced Knee® System tibial inserts are interchangeable with the femoral components and tibial trays as illustrated in the chart. Shaded areas show tibial insert sizes:

		FEMORAL COMPONENT SIZE						
		1	2	3	4N / 4	5N / 5	6	7
TIBIAL TRAY SIZE	1	1	1					
	2	2	2	2				
	3		3	3	3			
	4			4	4	4		
	5				5	5	5	
	6					6	6	6
	7						7	7

TIBIAL INSERTS

Available in CR, UC, PS, and E-Vitalize PS in 7 sizes with thicknesses of: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 16mm, 18mm, 20mm



FEMORAL COMPONENT

SIZE	A/P (MM)	M/L (MM)
1	50.0	56.5
2	54.0	59.5
3	57.5	62.5
4N	61.5	62.5
4	61.5	66.5
5N	65.5	66.5
5	65.5	70.5
6	69.5	74.5
7	74.0	79.5

TIBIAL TRAY

SIZE	A/P (MM)	M/L (MM)
1	36.5	57.5
2	39.0	61.0
3	41.5	65.0
4	44.5	69.5
5	48.0	75.0
6	51.5	80.5
7	55.0	86.0

PATELLA

SIZE (DIAMETER)	HEIGHT (THICKNESS)
29mm	7.5mm
32mm	8.0mm
35mm	9.0mm
38mm	10.0mm
41mm	11.0mm

Compatible with select components from BKS TriMax™ and BKS® Revision



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Pivot Bipolar® and Solitude® Unipolar





Pivot Bipolar®

Simple one-step assembly interface between the femoral head and the compression molded liner requires no instrumentation and reduces O.R. time

- 75° range of motion (12/14 taper and a 28mm femoral head)
- Available in sizes 38mm-60mm in 1mm increments
- Cobalt Chrome heads in 22mm and 28mm



Solitude® Unipolar

Simple intraoperative assembly

- Available in sizes 38mm-60mm in 1mm increments
- Trunion adapters available in -3, +0, +3, +6 and +9 offset options