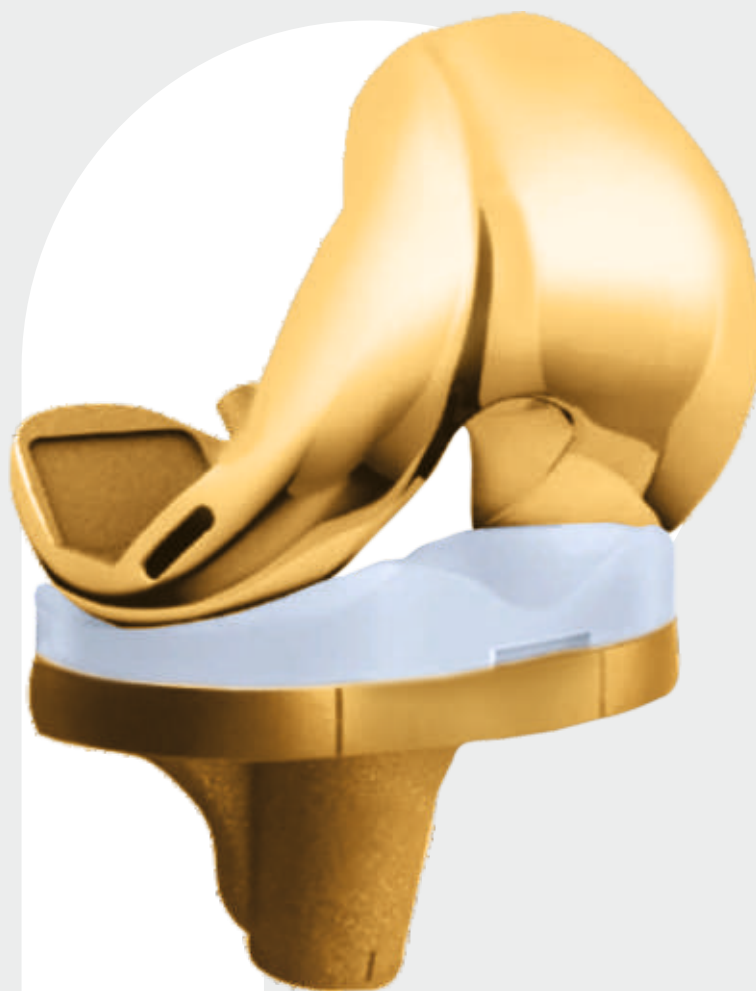


You can believe in...



MAGNUM

Hi-Flex Knee System



biobond
ZIVA finish

The No Allergy Knee



The **MAGNUM Hi-Flex Knee System** fulfills current and future requirements for a long-term implant, thanks to the **biobond ZIVA finish surface coating**, with the least wear property, having the hardest and the most biocompatible non-allergic surface material.

biobond *Advantages at a glance :* ZIVA finish

The coating is for allergy and wear protection of knee implant. The **ZIVA** finish surface presents a Metallic, light golden yellow appearance, whereby the coating forms a strong bond with the implant.

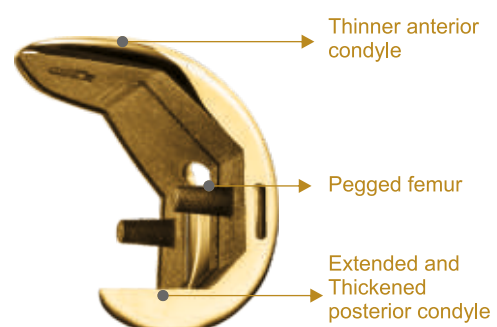
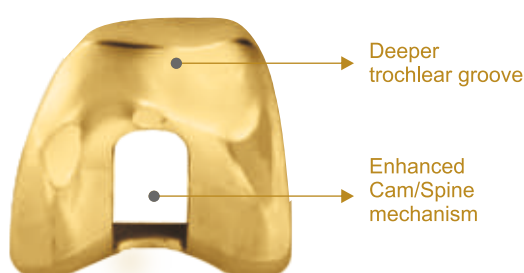
The **ZIVA** finish surface prevents direct contact of the metallic implant with the surrounding tissue and reduces the release of particles and ions due to wear.

- Absolute **biocompatibility**, improves tribological behavior
- **No Allergy** protection, prevents metal ion release from prosthetic substrate
- Pristine **abrasion and wear resistance**
- **Long-term chemical** stability
- **4 times Harder** to cobalt chromium-based alloys
- Excellent **wettability** with UHMWPE
- Avoids **inflammation and endoprosthesis loosening**
- Excessive **adhesive strength**, no delamination

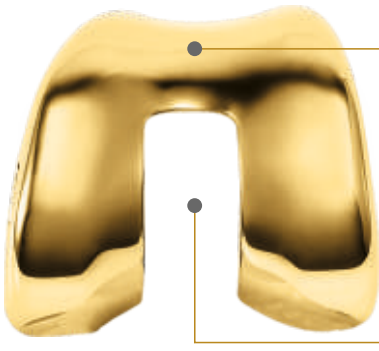


PS Femoral Component

- Deeper trochlear groove allows for more natural patellar tracking from extension to flexion and eliminates patella clunk syndrome.
- Enhanced Cam/Spine mechanism controls femoral roll back and minimises subluxation.
- The anterior condyle is thinner and is effective in avoiding parapatellar pain.
- The pegged femur increases the stability of the prosthesis during high flexion.
- Extended and thickened posterior condyle design, allows high flexion rotation and provides stability at 155° flexion.



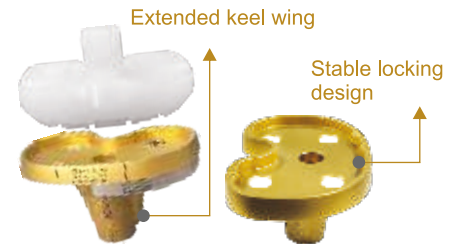
CR Femoral Component



- Patellar femoral track has been enhanced with a deepened trochlear groove. This feature relaxes the extensor mechanism and is designed to enable deeper flexion.
- The condylar geometry is designed to allow for rapid flexion, enhanced contact area and 155 degrees of flexion.
- The thickened posterior condyles prevents mid flexion instability during the process of high flexion.
- CR Femoral component minimises bone loss since it eliminates the need for box cut.

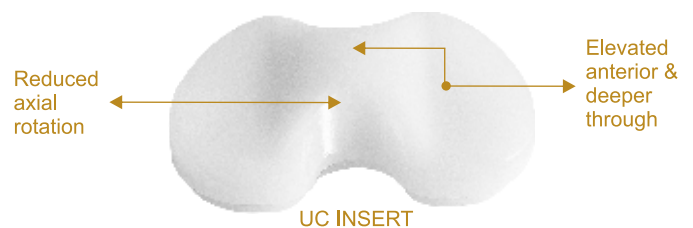
Tibial Component

- Tibial component serves as both as primary / revision tibia and can accommodate stems and wedges.
- Extended keel wing design provides initial implant stability.
- Stable locking design reduces micro movement and thereby prevents backside poly wear.



Tibial Insert

- The anterior deep notch design reduces the adverse effect on the patellar ligament during high flexion.
- Aquiline nose-shaped post design reduces the risk of dislocation during high flexion.
- The spine and cam mechanism combined provides controlled roll back during high flexion without posterior impingement.
- The dual joint surface's bonding mechanism between the post and crossbeam, reduces the pressure to the post and lowers the wear.
- Magnum Knee Hi-Flex ultra congruent insert provides similar functional outcomes without increasing the incidence of adverse events.
- UC inserts are characterized by an elevated anterior and deeper trough and thereby prevent anterior subluxation of femoral condyles during flexion.
- UC insert do not need a cam mechanism, avoiding the risk of cam impingement, wear or breakage, and reducing the risk of condylar fracture and excessive bone resection due to the intercondylar box.
- Reduced axial rotation with UC insert, which reduces polyethylene wear.



Stems / Wedges

- Stem application allows the surgeon to optimize canal fill and component positioning.



- Tibia offers option for tibial wedges in case of inadequate bone stock.



Implant Scope

Femoral Component - Cruciate Retained

Sizes	Art. No. Left	Art. No. Right	Dimension AP/ML
2	30-23-02	30-13-02	54/60.5
3	30-23-03	30-13-03	56/63.0
4	30-23-04	30-13-04	59/65.0
5	30-23-05	30-13-05	62/67.5
6	30-23-06	30-13-06	65/70.5
7	30-23-07	30-13-07	68/75.0
8	30-23-08	30-13-08	72/78.5

Femoral Component - Posterior Stabilized

Sizes	Art. No. Left	Art. No. Right	Dimension AP/ML
2	30-24-02	30-14-02	54/60.5
3	30-24-03	30-14-03	56/63.0
4	30-24-04	30-14-04	59/65.0
5	30-24-05	30-14-05	62/67.5
6	30-24-06	30-14-06	65/70.5
7	30-24-07	30-14-07	68/75.0
8	30-24-08	30-14-08	72/78.5

Tibial Component - Non Stemmable

Sizes	Art. No.	Dimension AP/ML
2	31-01-02 M	40/61.0
3	31-01-03 M	43/65.0
4	31-01-04 M	45/68.0
5	31-01-05 M	47/70.0
6	31-01-06 M	51/71.0
7	31-01-07 M	53/79.0

Tibial Component

Sizes	Art. No.	Dimension AP/ML
2	31-01-02	40/61.0
3	31-01-03	43/65.0
4	31-01-04	45/68.0
5	31-01-05	47/70.0
6	31-01-06	51/71.0
7	31-01-07	53/79.0

* Size 8 non Stemmable Tibia is Available on Special Request

Tibial Insert - Ultra Congruent

Thickness (mm)	Art. No. Size 2/3/4	Art. No. Size 5/6	Art. No. Size 7/8
	AP/ML: 45/68	AP/ML: 51/75	AP/ML: 56/85
10	43-24-10	43-56-10	43-78-10
12	43-24-12	43-56-12	43-78-12
14	43-24-14	43-56-14	43-78-14
16	43-24-15	43-56-16	43-78-16
18	43-24-18	43-56-18	43-78-18

Tibial Insert - Posterior Stabilized

Thickness (mm)	Art. No. Size 2/3/4	Art. No. Size 5/6	Art. No. Size 7/8
	AP/ML: 45/68	AP/ML: 51/75	AP/ML: 56/85
10	45-24-10	45-56-10	45-78-10
12	45-24-12	45-56-12	45-78-12
14	45-24-14	45-56-14	45-78-14
16	45-24-16	45-56-16	45-78-16
18	45-24-18	45-56-18	45-78-18

Tibial Half Wedge (With Screw)

Sizes	Art. No. Left		Art. No. Right	
	5 mm Thick	10 mm Thick	5 mm Thick	10 mm Thick
2	35-05-02	35-10-02	35-05-12	35-10-12
3	35-05-03	35-10-03	35-05-13	35-10-13
4	35-05-04	35-10-04	35-05-14	35-10-14
5	35-05-05	35-10-05	35-05-15	35-10-15
6	35-05-06	35-10-06	35-05-16	35-10-16

Femoral / Tibial Stem Extension (With Screw - Straight)

Length (mm)	Ø 10 (mm)	Ø 12 (mm)	Ø 14 (mm)	Ø 16 (mm)	Ø 18 (mm)
40	33-10-40	33-12-40	33-14-40	33-16-40	33-18-40
70	33-10-70	33-12-70	33-14-70	33-16-70	33-18-70
100	33-10-100	33-12-100	33-14-100	33-16-100	33-18-100
130	33-10-130	33-12-130	33-14-130	33-16-130	33-18-130

Femoral / Tibial Stem Extension (With Screw - Offset)

Length (mm)	Ø 10 (mm)	Ø 12 (mm)	Ø 14 (mm)	Ø 16 (mm)
100	34-10-100	34-12-100	34-14-100	34-16-100
130	34-10-130	34-12-130	34-14-130	34-16-130

Patella

Dia (mm)	Art. No.
28	39-01-28
30	39-01-30
32	39-01-32