



**PhysicaZUK**  
unicompartmental knee



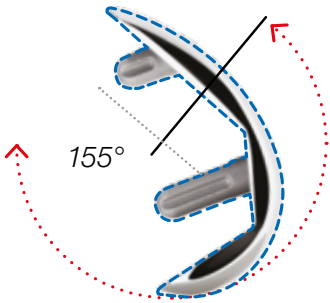
# PhysicaZUK

unicompartmental knee

Physica ZUK is an **established**  
**and clinically proven**  
unicompartmental knee,  
with an **unchanged design**  
since 2005. <sup>[1-17]</sup>

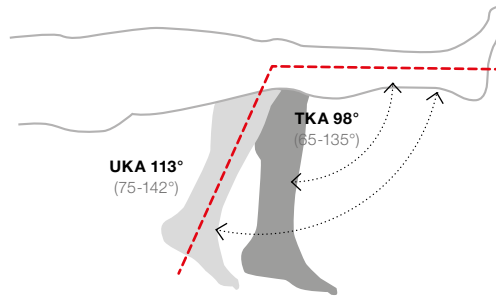
# KINEMATICS

## HIGH FLEX DESIGN <sup>[16]</sup>

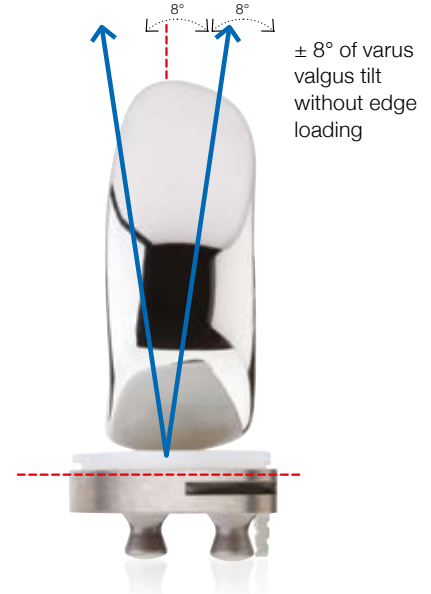


### Extended Posterior Condyle <sup>[15]</sup>

Accommodates high flexion up to 155°.



### Postoperative Knee Society Score <sup>[2]</sup>



### Femoral design allows up to 16° intra operative flexibility

Round on flat articulation: unconstrained motion allows ± 8° varus valgus tilt without edge loading.

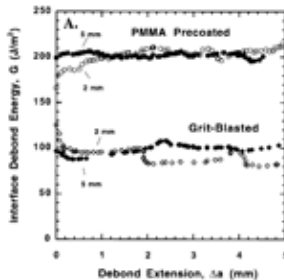
# PMMA

## FEMORAL AND TIBIAL COMPONENT PRECOAT WITH POLYMETHYL METHACRYLATE

Physica ZUK has utilised a PMMA precoating principle since its launch in 2005 <sup>[15]</sup>

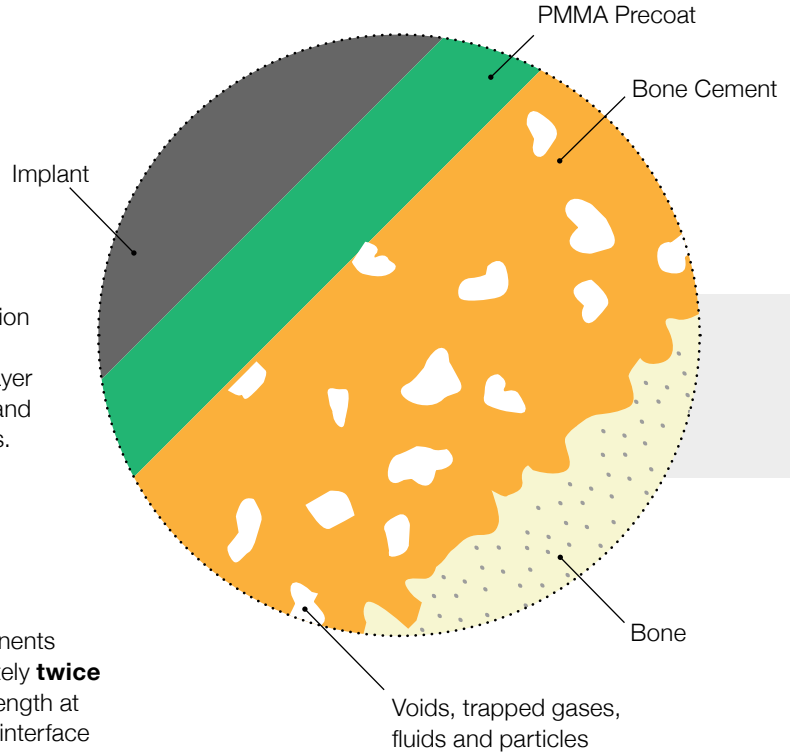


Automatic deposition of **PMMA** precoat allows a uniform layer on both **femoral** and **tibial** components.



Precoated components exhibit approximately **twice the adhesion** strength at the cement/metal interface compared to grit blasted metals.

[14]



# MECHANICAL STABILITY

## DESIGN FEATURES TO OPTIMISE STABILITY

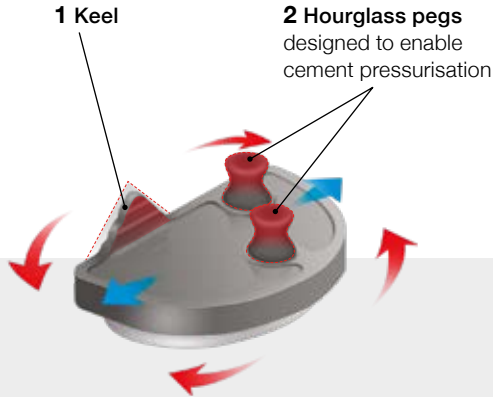
Angled femoral pegs



**Femoral peg**  
location changes with size for anatomical fixation.

**2** Point Fixation

1 Keel



**Keel** is designed to provide rotational stability and together with the **hourglass pegs** stabilises the baseplate.

**3** Point Fixation

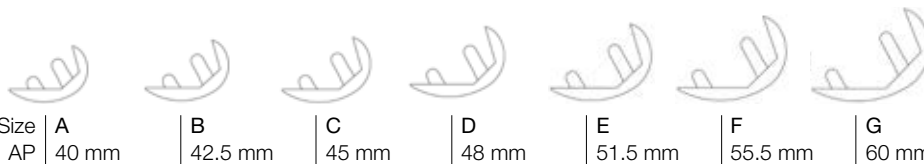
The liner is fixed through a locking mechanism



The polyethylene component **slides and snaps** into the lip of the base plate.

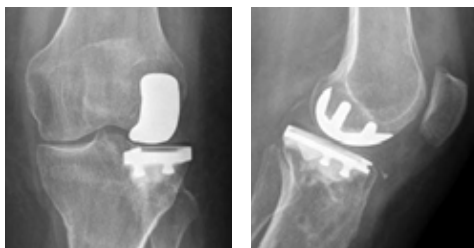
# ANATOMICAL STABILITY

A WIDE VARIETY OF TIBIAL AND FEMORAL DESIGNS THAT MAXIMIZES BONE COVERAGE <sup>[15]</sup>



## Universal Compatibility

7 femoral sizes,  
6 poly thicknesses,  
6 tibial sizes



Suitable  
for **lateral  
compartment**



### Additional Tool

Experience the patient specific instrument planner software for a Physica ZUK guided surgery.

# CLINICAL CASES



## Case 1

### Pre-op

Male, 64 years old, osteoarthritis of the medial compartment.

### Post-op

Treated with Physica ZUK.

Knee Score 100.

Knee Function Score 100.

**10 years follow-up.**



## Case 2

### Pre-op

Female, 63 years old, osteoarthritis of the medial compartment.

### Post-op

Treated with Physica ZUK.

Knee Score 100.

Knee Function Score 100.

**13 years follow-up.**

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ZUK is marketed by Lima Corporate since July 2015 as Physica ZUK. In compliance with EU Antitrust Authorities and pursuant to the Asset Purchase Agreement executed with Zimmer Holdings, Inc, Lima Corporate acquired "intellectual property rights and know-how, transfer of licences, permits and authorisations, transfer of access to CE marks, customer contracts, leases, commitments, orders and records". Therefore ZUK & Physica ZUK are identical prostheses, implant combination is allowed and the historical clinical data referred to ZUK is also applicable to Physica ZUK.

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The present document is intended only for Europe, Switzerland and Japan.

This document is intended for healthcare professionals.

