

# CEMPADIC<sup>®</sup>

## Knee spacer



# CEMPADIC® spacer molds

**CEMPADIC®** silicone spacer molds are used to produce intraoperative cement spacers with the geometry of the **ACS®** knee prosthesis. They enable individual antibiotic treatment tailored to the underlying culture and its sensitivity during two-stage endoprosthesis replacement in cases of infection<sup>1,2</sup>. They can be reused up to 25 times and are effective and cost-efficient.



## Preservation of mobility

passive joint mobilization  
and prevention of soft-tissue  
contractures<sup>1</sup>



## Individualized antibiotic treatment

freely selectable bone cement  
and antibiotics

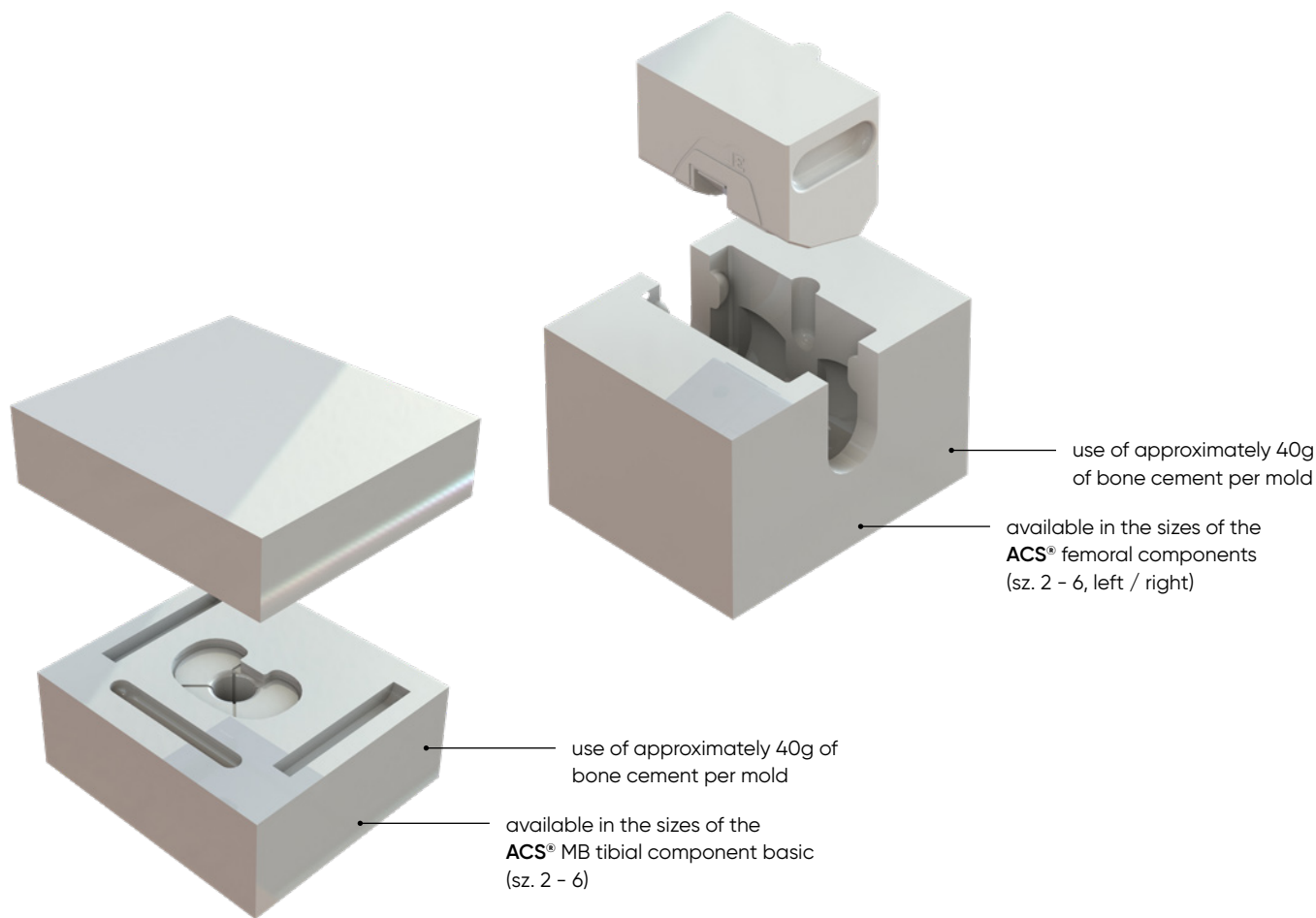


## Consistent quality

and user-friendly application<sup>2</sup>

<sup>1</sup> Hollyer I, Ivanov D, Kappagoda S, Lowenberg DW, Goodman SB, Amanatullah DF. Selecting a high-dose antibiotic-laden cement knee spacer. J Orthop Res. 2023; 41: 1383–1396. doi:10.1002/jor.25570

<sup>2</sup> Jaenisch, M., Babasiz, M., Ben Amar, S. et al. Surgical technique and preliminary results of a moulded, mobile spacer for the treatment of periprosthetic joint infection of the knee. Oper Orthop Traumatol 35, 163–169 (2023). <https://doi.org/10.1007/s00064-023-00803-z>



# CEMPADIC® HK Spacer

The **CEMPADIC®** HK (hinged knee) spacer is an axis-guided interim prosthesis whose stems are implanted coated with antibiotic-loaded cement during infection treatment. Following explantation of the infected prosthesis, it provides stabilization and limited functionality in case of existing knee joint instability. The metallic prosthesis features a hinge mechanism that allows a range of motion of up to 100° flexion.



## **Preservation of mobility**

passive joint mobilization  
and prevention of soft-tissue  
contractures<sup>1</sup>



## **Individualized antibiotic treatment**

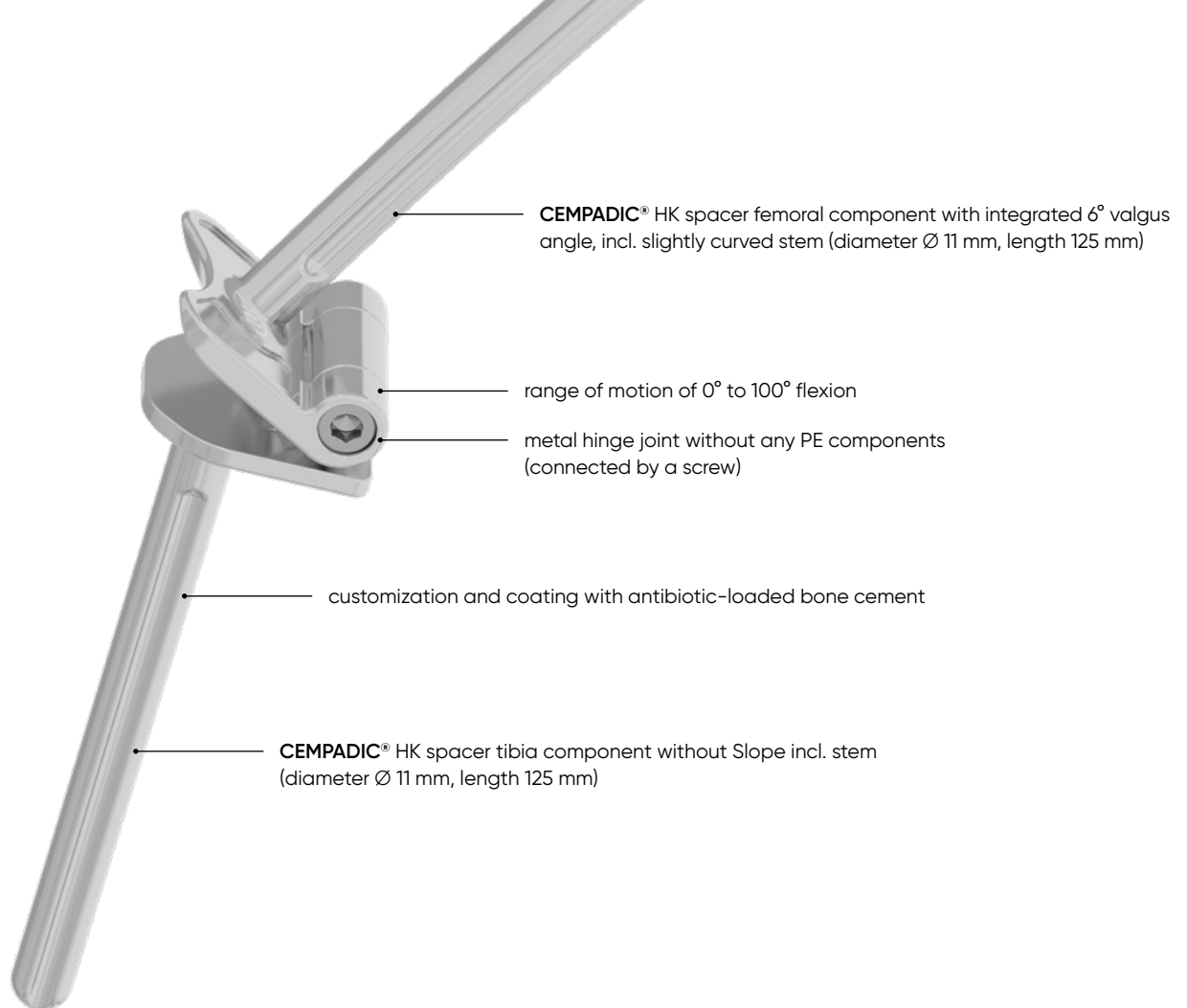
freely selectable bone cement  
and antibiotics



## **User-friendly**

minimal bone preparation  
and easy assembly

<sup>1</sup> Hollyer I, Ivanov D, Kappagoda S, Lowenberg DW, Goodman SB, Amanatullah DF. Selecting a high-dose antibiotic-laden cement knee spacer. J Orthop Res. 2023; 41: 1383–1396. doi:10.1002/jor.25570



# CEMPADIC® connection piece

The **CEMPADIC®** connection piece has been developed to enable the construction of a stable, short-term arthrodesis spacer. The metal components provide structural stability and, when coated in bone cement, anchor securely within the femoral and tibial medullary canals. The **CEMPADIC®** connector has been specifically tested and approved for this indication, ensuring the use within its intended purpose.



## Simple application

malleable titanium rods and  
easy assembly



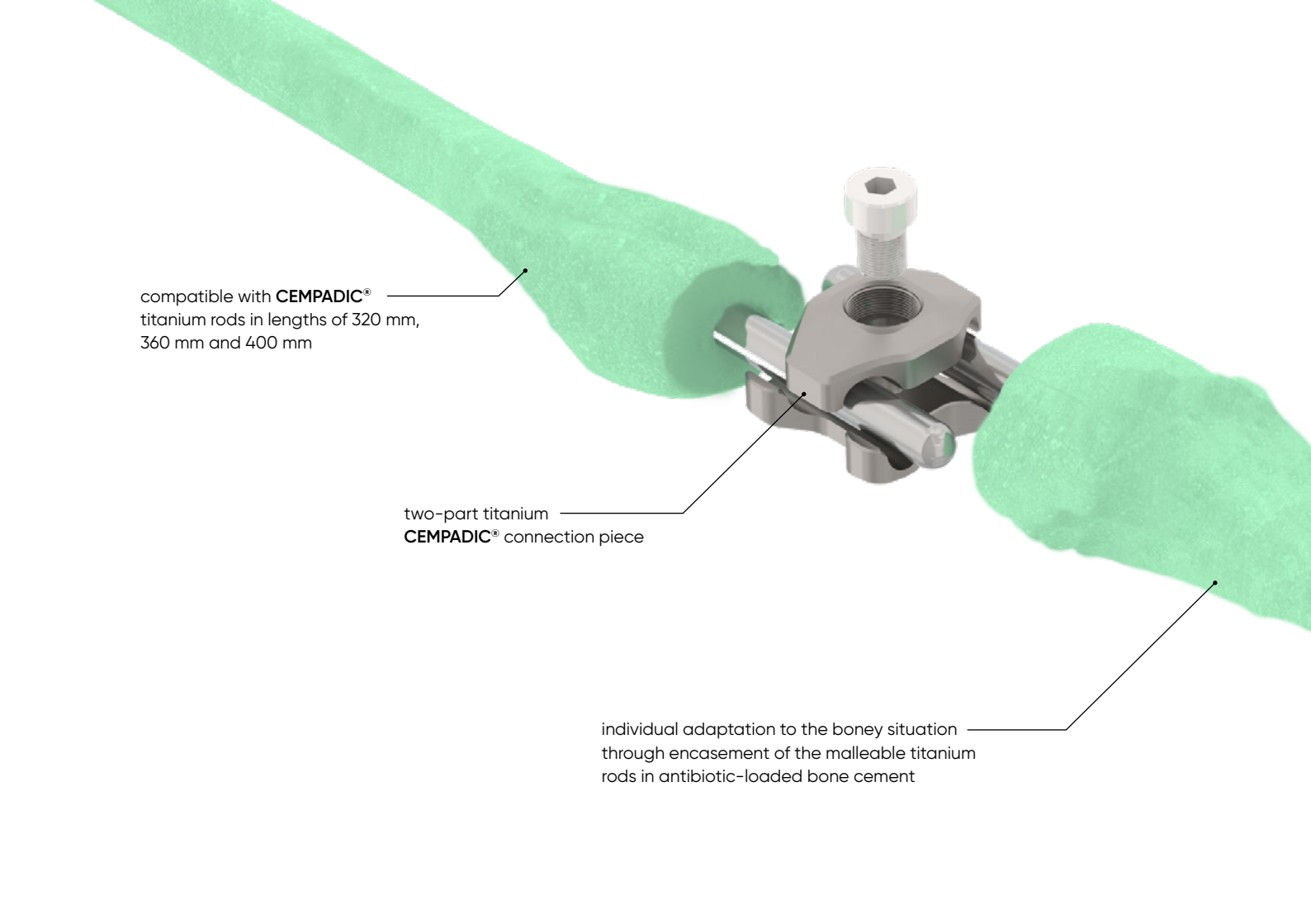
## Individualized antibiotic treatment

freely selectable bone cement  
and antibiotics



## Specifically developed

for use as an arthrodesis  
spacer



compatible with **CEMPADIC®**  
titanium rods in lengths of 320 mm,  
360 mm and 400 mm

The diagram shows a 3D model of a medical device used for bone fixation. It consists of a central, grey, two-part titanium connection piece. This piece has a hexagonal top with a central threaded hole and a large central threaded port. It is flanked by two cylindrical titanium rods. These rods are inserted into two green, irregularly shaped bone segments. The rods are encased in a translucent green material, representing antibiotic-loaded bone cement. The bone segments are positioned on either side of the connection piece, with the rods passing through them. The entire assembly is shown against a plain white background.

two-part titanium  
**CEMPADIC®** connection piece

individual adaptation to the boney situation  
through encasement of the malleable titanium  
rods in antibiotic-loaded bone cement

*walk with us*

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