

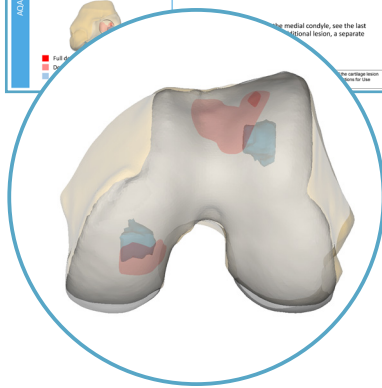
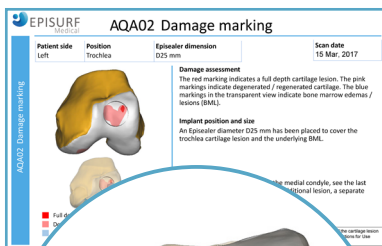
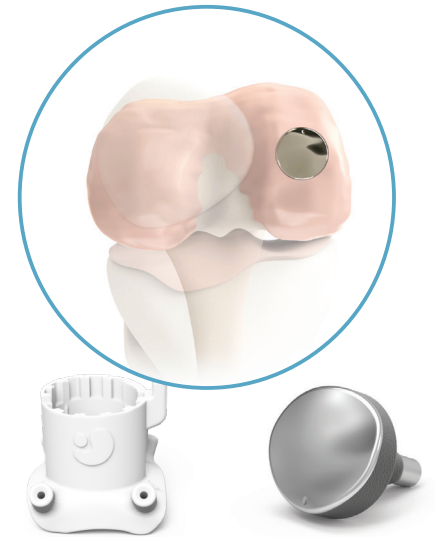
# EPISEALER® KNEE

AN INDIVIDUALISED IMPLANT FOR THE TREATMENT OF FOCAL CHONDRAL AND OSTEOCHONDRAL DEFECTS

## Episealer and toolkit - all you need

Each Episealer is designed to fit your patient's unique geometry. The implant is made of a cobalt-chrome alloy with its undersurface and sides coated with a double layer of titanium and hydroxyapatite to ensure a rapid and lasting fixation of the implant to the patient's bone. The top articulating surface has a patient-specific contour that accurately matches the geometry of the patient's knee.

The Episealer comes with a toolkit including the individualised Epiguide®. The tools enable optimal placement of the Episealer, 0.5-1 mm below the surrounding cartilage surface.



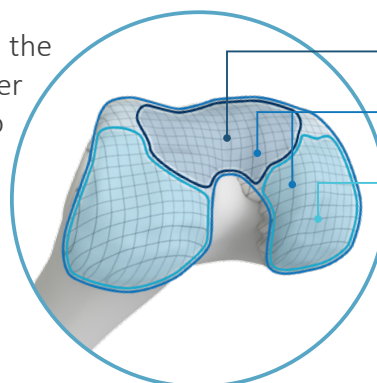
## Damage Marking Report - pre-planning your surgery

Based on the patient's MR images, a virtual 3D visualisation of the knee is produced. A Damage Marking Report enables you to explore your patient's individual level of damage and assess the suitability for an Episealer implant. The report includes a 3D visualisation of cartilage damage, subchondral bone damage (such as bone edema and cysts), signs after previous surgeries, (osteo)arthritic signs and other pathologies.

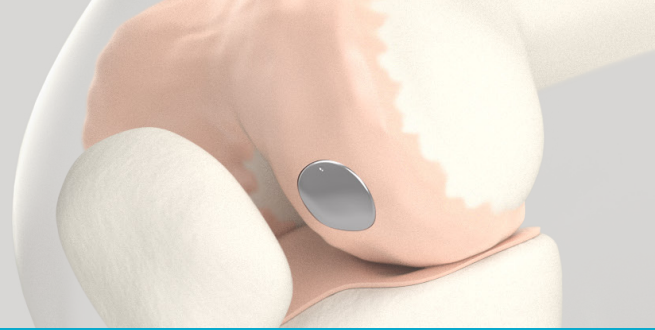
A suggested Episealer pre-planning visualisation, the 'Final Design', showing the exact planned position of the Epiguide and Episealer, is provided. This positioning can be fine-tuned further through communication between yourself and Episurf.

## Episealer - an individualised solution for the whole distal femur

Thanks to the individualised approach, both the thickness and surface geometry of the Episealer can be adapted to fit your patient's lesion, no matter where on the distal femur it is situated: on the condyles, trochlea or both!

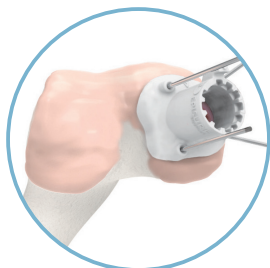
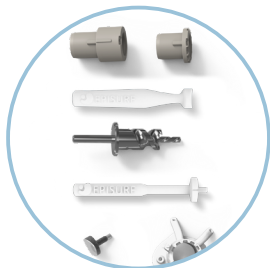
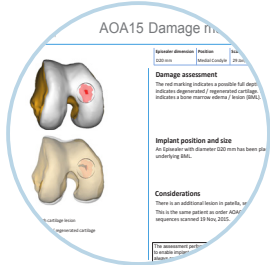


-  EPISEALER®  
**TROCHLEA SOLO**
-  EPISEALER®  
**FEMORAL TWIN**
-  EPISEALER®  
**CONDYLE SOLO**



# EPISEALER® KNEE

AN INDIVIDUALISED IMPLANT FOR THE TREATMENT OF FOCAL CHONDRAL AND OSTEOCHONDRAL DEFECTS



The Episurfer implant and associated toolkit are designed based on MRI data of the patient’s knee. Using tailored 3D MRI sequences as well as conventional (2D) diagnostic sequences, geometric acquisition and (osteo)chondral lesion assessment are obtained.

The MR images are used to create a virtual 3D model of the knee included in a Damage Marking Report. You will be able to review any potential implant solutions that Episurfer can offer and modify the suggested solution if needed. The report is delivered through  $\mu$ Fidelity®, Episurfer’s interactive platform.

Once an implant solution has been approved, the Episurfer and toolkit are designed and produced.

Thanks to the individualised design of the Episurfer and toolkit, the surgery is perceived simple and straightforward.

Episurfer	Size	Surface area
Episurfer Condyle Solo D12	12 mm	1.1 cm <sup>2</sup>
Episurfer Condyle Solo D15	15 mm	1.8 cm <sup>2</sup>
Episurfer Condyle Solo D17	17 mm	2.3 cm <sup>2</sup>
Episurfer Condyle Solo D20	20 mm	3.1 cm <sup>2</sup>
Episurfer Trochlea Solo D20	20 mm	3.1 cm <sup>2</sup>
Episurfer Trochlea Solo D25	25 mm	4.9 cm <sup>2</sup>
Episurfer Trochlea Solo D29	29 mm	6.6 cm <sup>2</sup>
Episurfer Femoral Twin 2x D15	15 mm (length: 23 mm)	2.9 cm <sup>2</sup>
Episurfer Femoral Twin 2x D17	17 mm (length: 26 mm)	3.7 cm <sup>2</sup>
Episurfer Femoral Twin 2x D20	20 mm (length: 29 mm)	4.8 cm <sup>2</sup>
Episurfer Femoral Twin 2x D25	25 mm (length: 35 mm)	7.3 cm <sup>2</sup>