

ADLER[®] ORTHO

Next Generation Fixation



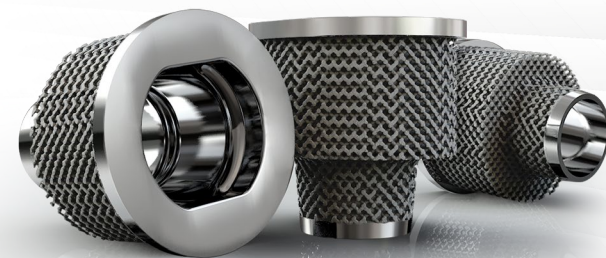
OMNIA[™]
PANTHEUM



Redefining limb salvage surgery

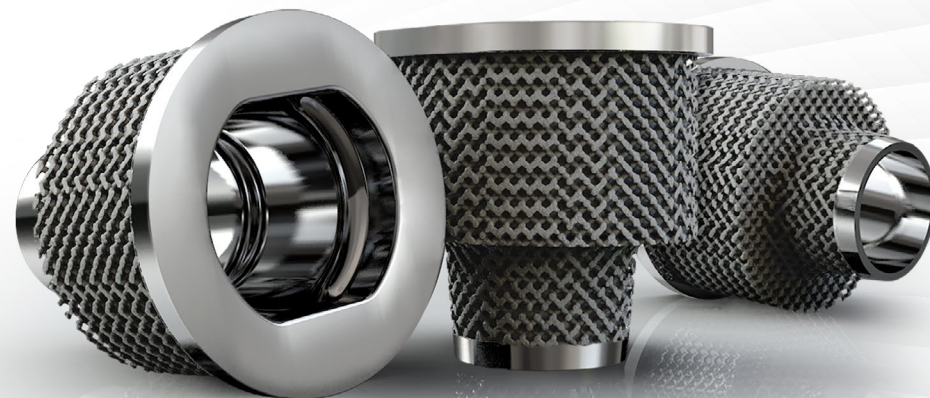


Bridging Collar - Worlds first In-growth, on-growth
endosteal collar & sleeve technology





A total modular limb salvage platform, allowing complete freedom to address bone loss in oncology, trauma, infection and failed joint replacements



FIXATION

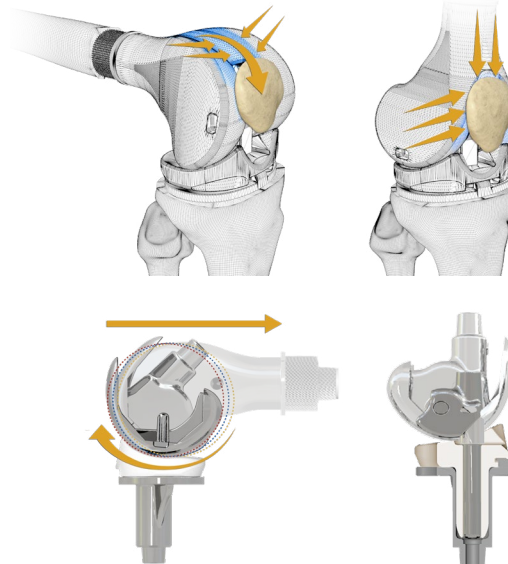
- 1000-micron porosity
- 26mm / 30mm / 36mm diameter collar options
- Immediate primary press-fit & joint-space sealing
- Integrated collar & endosteal sleeve technology
- Utilising endosteal cells and not solely reliant on the periosteum
- Endosteal bone bridging grows 'through & into' the porous structure
- Redistribute stresses onto cortical bone



- Specialised cement pressurisers to protect collar fixation



FUNCTION



Proven patellar tracking

Long and deep patellofemoral groove allows for consistent anatomical capturing of the extensor mechanism, resistance to subluxation and smoother engagement of the patella from flexion to extension

Conformity throughout range of motion

The ratio of conformity between the femoral condyles and the highly congruent tibial articular surface is virtually 1-to-1

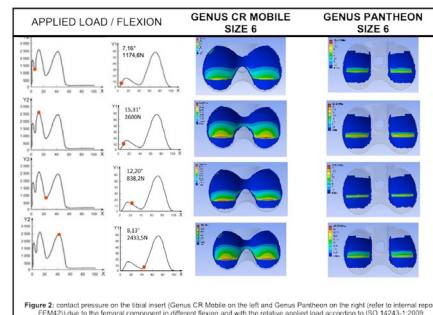
By maximising contact area, the stresses in the polyethylene are distributed across a larger surface area

The hinge centre of rotation is offset posteriorly to allow conforming rollback and consistent tibio-femoral kinematics

The mobile bearing central location of the hinge mechanism reflects native knee kinematics, allowing up to 25° of internal & external axial rotation

A low wear revision solution

A conforming knee design with wear characteristics comparable to the primary Genus knee range, allowing up to 95% of loading through the tibia-femoral interface, protecting stresses across hinge and decoupling forces across poly and bone surface



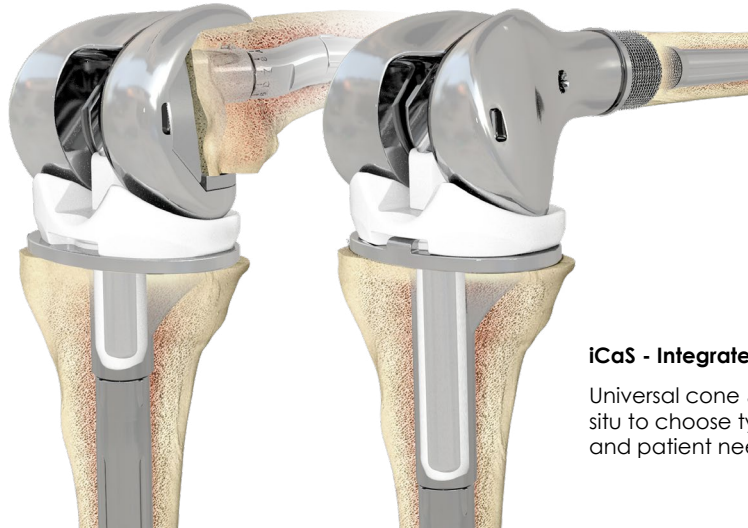
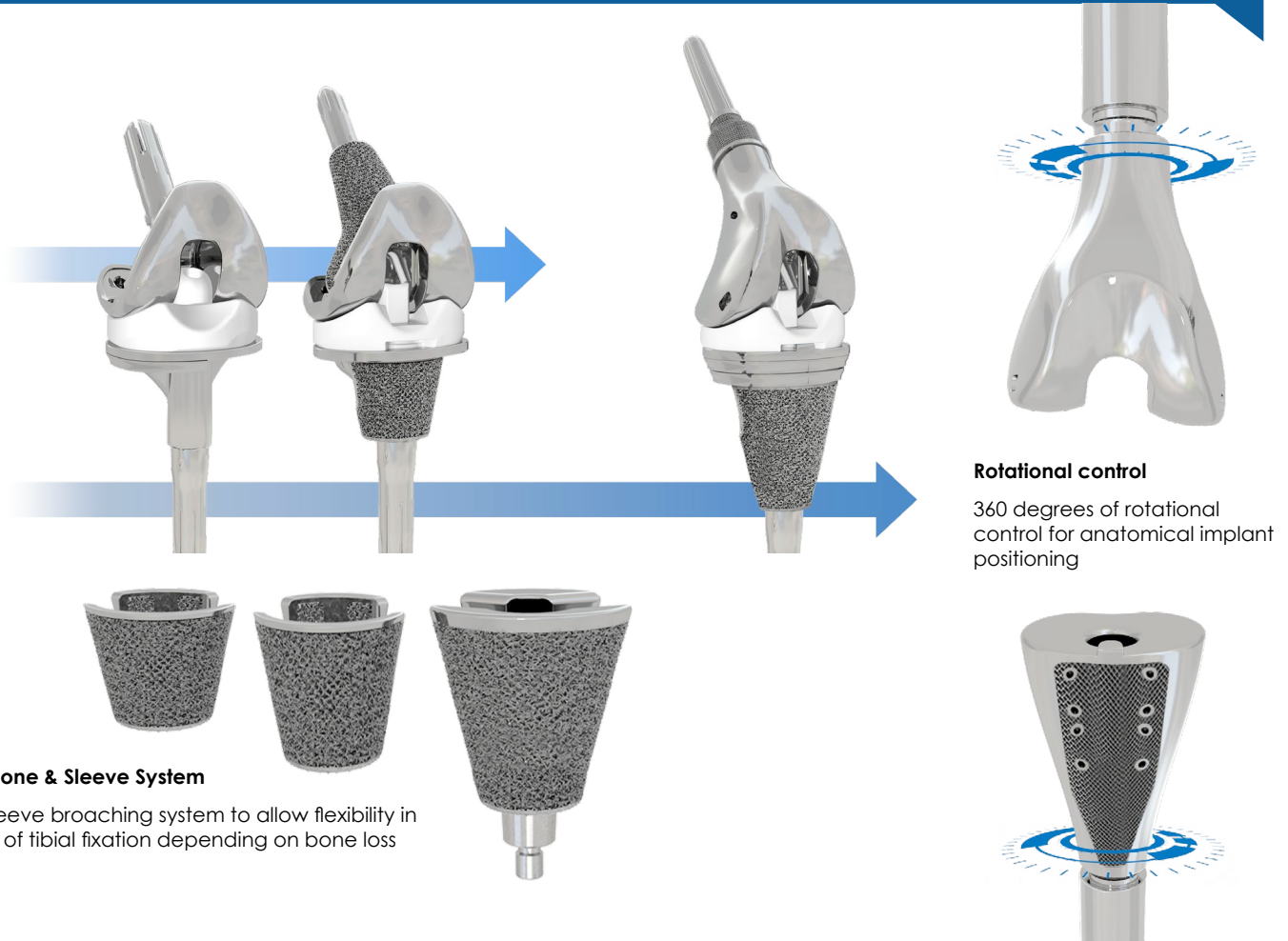
FREEDOM

Constraint freedom

The first knee platform to allow constraint freedom to move from a constrained condylar knee (CCK knee), to a hinged CCK knee (with no extra cuts) and then onto a distal femoral replacement (DFR), all whilst maintaining the same tray platform

Hinge simplicity

To resist subluxation, the Pantheum knee locking mechanism design offers a fully mobile or semi mobile constraint with a minimum "jump height" of 40mm for complex primary situations, through to 70+mm for the salvage / oncological needs, regardless of thickness of articular surface. The hinge post is parallel sided in design to resist early angular distraction



iCaS - Integrated Cone & Sleeve System

Universal cone & sleeve broaching system to allow flexibility in situ to choose type of tibial fixation depending on bone loss and patient needs



Resection inc 20mm Color Height	357mm	342mm	327mm	312mm	297mm	282mm	267mm	252mm	237mm	222mm	207mm	192mm	177mm	162mm	147mm	132mm	97mm
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LONG

A 3D rendering of a long, thin, metallic object, possibly a probe or needle, with a red line indicating its length. The object has a cylindrical body and a wider, flared base. A red line is drawn along the length of the object, starting from the base and extending to the tip. The word "LONG" is written in bold, black, uppercase letters above the object.

S -  M -  L - 





Code
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