

Trinity™

Advanced Bearing Acetabular System

Product overview



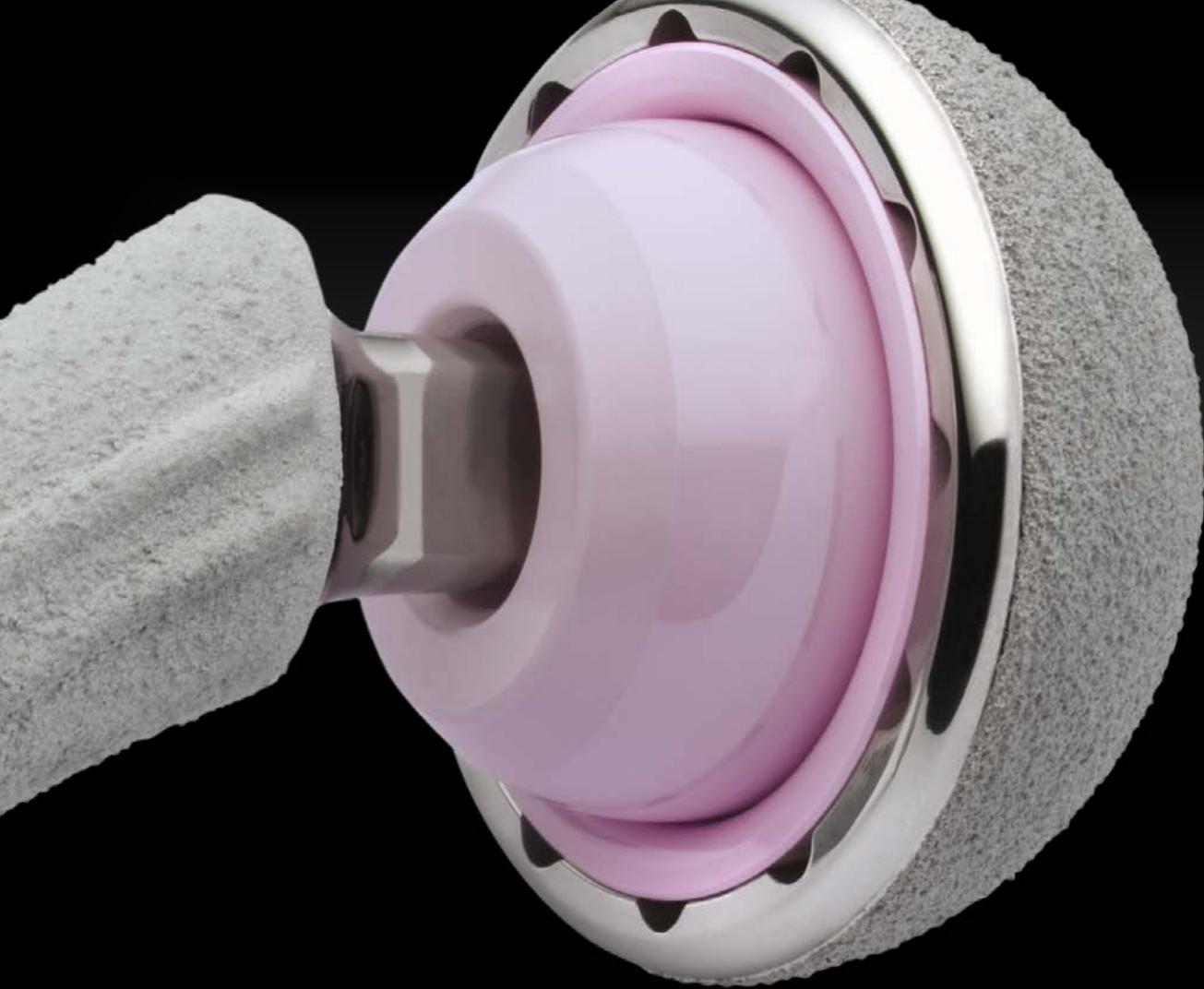
Corin



Performance | Versatility | Technology

The Trinity™ advanced bearing acetabular system provides surgeons with a seamless range of high performance bearings within a versatile acetabular shell featuring a cementless BONIT™ coating. Trinity™ represents the new generation in innovation and pioneering cementless technology designed to maximise fixation and articulation size.





The advanced solution for
acetabular hip replacement

Trinity™

Performance

The Trinity™ advanced bearing acetabular system offers surgeons a wide range of high performance bearings within a versatile system utilising the clinically proven fixation of BONIT™ coating for patient matched solutions.

- BIOLOX® *delta* ceramic-on-ceramic
- HXLPE highly cross-linked polyethylene
- ECiMa™ (vitamin E) highly cross-linked polyethylene





The Trinity™ advanced bearing system is designed to allow maximum bone preservation without compromising range of motion or stability. The system includes shell sizes from 44mm to 68mm (in 2mm increments) and provides a full range of bearing sizes from 28mm through to 40mm in all high performance bearing options.

Trinity™

Versatility

The BONIT™-coated Hydrolok occluders are pre-assembled within the Trinity™ shell giving the surgeon two options within one design. This gives the option for three screws to be used for additional fixation. If only one or two screws are utilised the other screw holes remain occluded, preventing a pathway for fluid between the insert and the acetabular bone.

The Hydrolok occluders are BONIT™-coated to increase the surface area for bone on-growth.





Versatility without compromise

Trinity™

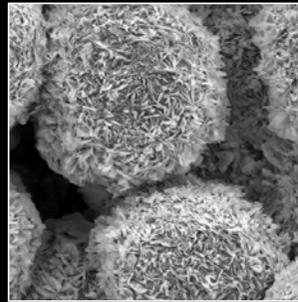
Technology

The highly polished radiused surface of the Prime™ rim is designed to protect the psoas from irritation and prevent impingement on the edge of the shell.



Prime™

Psoas Rim Enhancement



The Trinity™ advanced bearing acetabular system offers surgeons a wide range of high performance bearing solutions within a versatile system that utilises the clinically proven fixation of BONIT™ coating^{1,2}.

The coating consists of a vacuum plasma sprayed pure titanium coating overlaid with BONIT™.

BONIT™ is a bioactive calcium phosphate (CaP) coating with a microcrystalline structure which maintains substrate surface roughness, providing a large area for bone integration. Its biphasic composition promotes rapid osseointegration, while the bone like (biomimetic) coating morphology provides a potent capillary effect accelerating the implant healing process^{1,2,3,4,5,6}.

The only biomimetic cementless coating
with more than 15 years clinical history^{1,2}

Instrumentation

Choice

The Trinity™ system is designed for all approaches and incisions offering both offset and straight instrumentation.

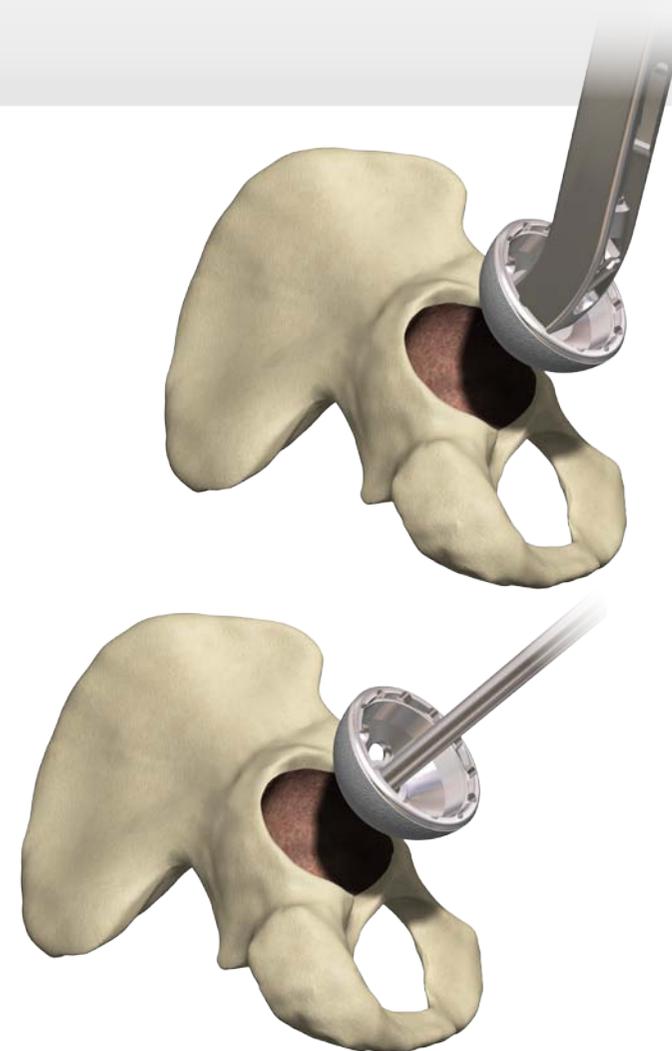
Modular

The modular platform allows procedural simplicity and efficiency within the theatre environment without compromise.

Simplicity

The Trinity™ system allows the largest bearing size to be matched with the smallest shell.

Bearing size	28	32	36	40
Shell size	44-46	46-50	50-68	54-68



Corin's Hip Continuum of Care



References:

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3. Schwarz ML, Kowarsch M, Rose SB, Jani L. Histomorphometrical and mechanical evaluation of various surfaces on titanium test bodies placed into femora of the Göttinger minipig. Can a resorbable CaP coating increase osteointegration? 49th Annual Meeting of the Orthopaedic Research Society 2003; Poster.
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Printed on 9lives 80 which contains 80% total recycled fibre and is produced at a mill which holds the ISO 14001 for Environmental Management Systems. The pulp is bleached using Elemental Chlorine Free processes.

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