



Trinity™

Advanced Bearing Acetabular System

Corin

Responsible Innovation

Patient matched solutions

Trinity™

Patient matched solutions

The Trinity™ Advanced Bearing Acetabular System provides surgeons with a seamless range of high performance bearings within a versatile acetabular shell featuring a cementless Biomimetic Cementless Technology.

Trinity™ represents the new generation in innovation and pioneering cementless technology designed to maximise fixation and articulation size.





Harnessing the power of innovation

Trinity™

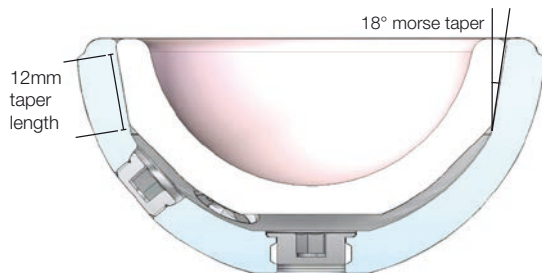
Simplicity - Trinityⁱ

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

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

Two-in-one shell fixation

The Biomimetic Cementless Technology 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.

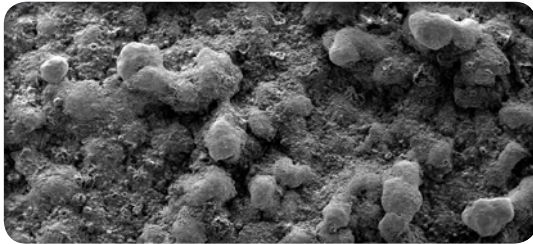


Reproducibility of anatomy and liner seating

The longer taper and snap fit connection with anti-rotational castellations allow for easy liner insertion and soft tissue anatomical restoration. The taper is specifically designed to prevent mal-alignment of the liner.

Advanced biomimetic coating

The vacuum plasma-sprayed pure titanium is overlaid with 20 microns of Biomimetic Cementless Technology, which has over 20 years of clinical heritage^{1,2,3} and provides a 1.3mm press fit with over 30 ±10% porosity.

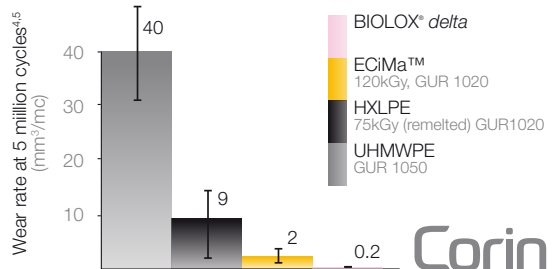


Prime™ edge

The polished outer Prime rim is designed to reduce the potential of soft tissue irritation.

ECiMa™: The power to lock out oxidative wear

- Ultra low wear: 95% reduction in wear with a 40mm bearing
- Mechanical superiority: 45% increase in ultimate tensile strength compared to first generation HXLPE
- Optimised function: Up to 40mm bearing sizes
- Oxidative shield: 'active stabilisation' provided by blended vitamin E



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References:

1. Wood PLR, Deakin S. Total ankle replacement. The results in 200 ankles. *J Bone Joint Surg (Br)* 2003; 85-B:3:334.
2. Saxler G, Temmen D, Bontemps G. Medium-term results of AMC-unicompartmental knee arthroplasty. *The Knee* 2004; 11:39-355.
3. Schlueter-Brust KU, Kruse S, Bontemps G. Twelve year survivorship after cemented and uncemented medial unicompartmental knee arthroplasty. 15th EFFORT Congress June 2014.
4. Traynor A, Simpson DJ, Collins SN. Vitamin E HXLPE for low wear and oxidation resistance of hip bearings. *International Society of Biomechanics*. Brussels. July 2011.
5. Data held on file, Prof Ian Clarke.

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Advanced Bearing Acetabular System

Ceramic-on-Ceramic coupling
is available in the USA for
investigational device use only.

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