

Aesculap[®] Total Hip Solution

Reliable, High Performance.



Aesculap Orthopaedics

AESCULAP[®]
Implant Systems

Total Hip Solution



Dynamic Implant Options

- **Plasmafit PRO™ Acetabular System with Vitelene® Liner** – A cementless, porous coated acetabular shell and a vitamin E stabilized polyethylene liner.
- **Biolox® Delta Head** – Outstanding biocompatibility and low wear rates.
- **Excia® T Standard Hip System** – Available with either forged cobalt chrome for cemented indications or forged titanium alloy with a proximal titanium plasma spray for cementless fixation.

Restore Biomechanics

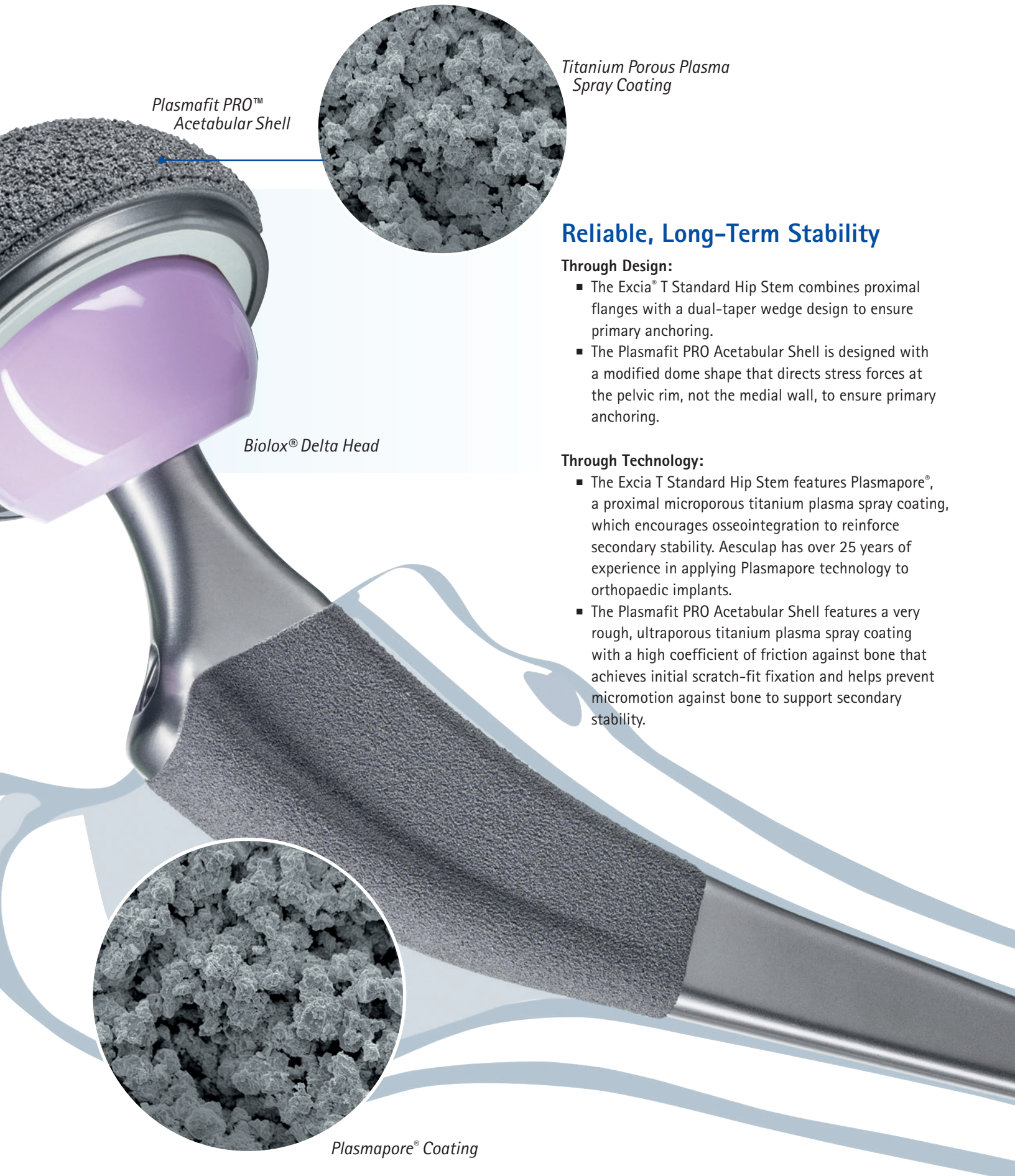
The Excia T Standard Hip Stem Features:

- A slim distal design that is suitable for various femoral morphology, including narrow femoral canals.
- CCD angle options of 128° and 135° properly restore joint biomechanics and soft tissue tension without lengthening the leg.

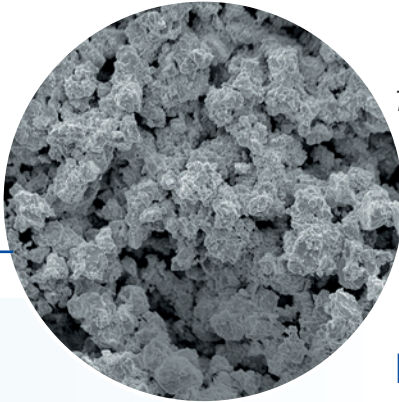
Conserve Bone

The Excia T Standard Hip Stem Features:

- A rounded shoulder design to minimize disruption of the greater trochanter.
- Soft medial curvature and asymmetrical tip combine to facilitate easy insertion through minimally invasive techniques, including the direct anterior approach.



*Plasmafit PRO™
Acetabular Shell*



*Titanium Porous Plasma
Spray Coating*

Biolox® Delta Head

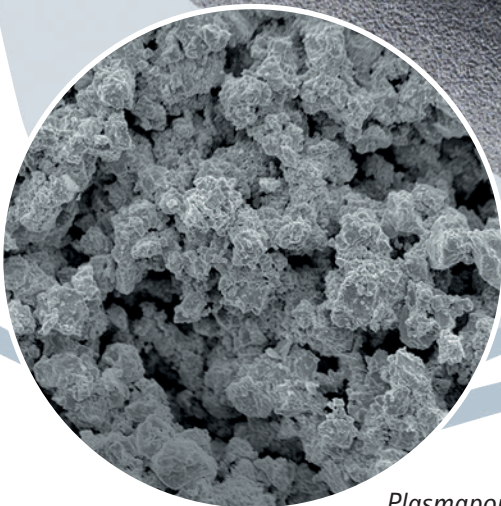
Reliable, Long-Term Stability

Through Design:

- The Excia® T Standard Hip Stem combines proximal flanges with a dual-taper wedge design to ensure primary anchoring.
- The Plasmafit PRO Acetabular Shell is designed with a modified dome shape that directs stress forces at the pelvic rim, not the medial wall, to ensure primary anchoring.

Through Technology:

- The Excia T Standard Hip Stem features Plasmapore®, a proximal microporous titanium plasma spray coating, which encourages osseointegration to reinforce secondary stability. Aesculap has over 25 years of experience in applying Plasmapore technology to orthopaedic implants.
- The Plasmafit PRO Acetabular Shell features a very rough, ultraporous titanium plasma spray coating with a high coefficient of friction against bone that achieves initial scratch-fit fixation and helps prevent micromotion against bone to support secondary stability.

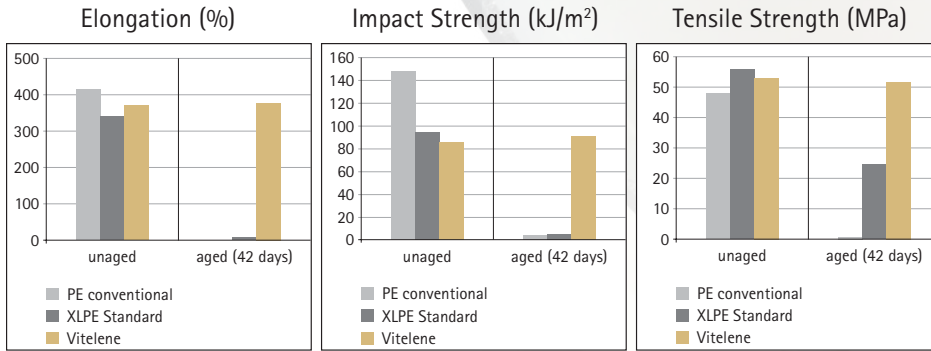


Plasmapore® Coating

Elevated Performance

- The Biolox® Delta femoral head and Vitelene® vitamin E blended acetabular liner deliver an advanced bearing surface with the aim to reduce wear and maintain mechanical integrity for high performance and durability.

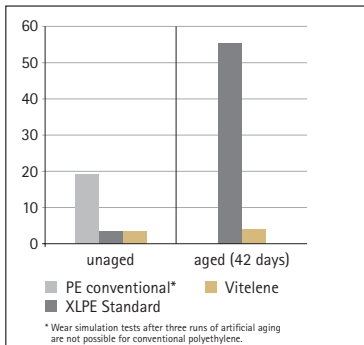
MAINTAINS MECHANICAL PROPERTIES¹



Vitelene retains mechanical strength after accelerated aging per ASTM F2003.¹

REDUCED WEAR²

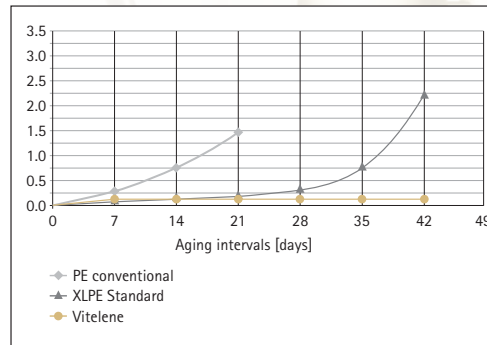
Gravimetric Wear (mg/Mio. Cycles)



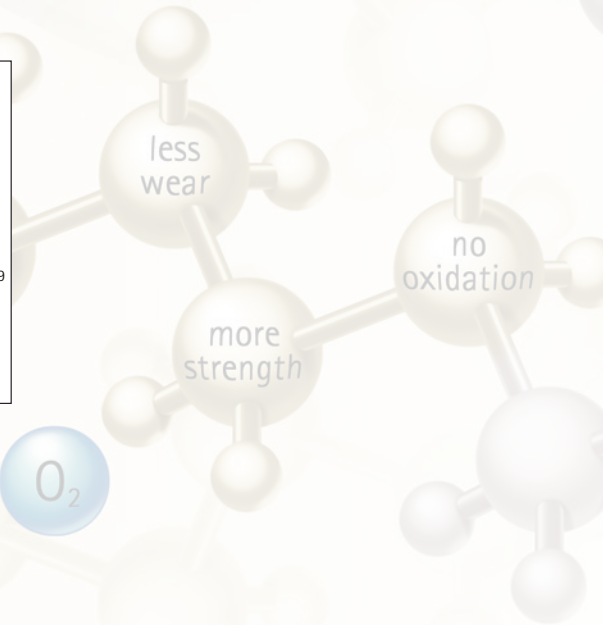
Vitelene showed an 89% reduction in wear compared to XLPE Standard polyethylene after accelerated aging testing per ASTM F2003.²

ANTIOXIDANT DEFENSE¹

Oxidation Index (OI)



Vitelene is formulated with antioxidant protection that prevents oxidation and degradation of polyethylene, displaying no measurable oxidation during accelerated aging testing per ASTM F2003.



For complete indications, contraindications, warnings, and potential risks, visit aesculapimplantsystems.com.

¹ Bench testing is not necessarily indicative of clinical performance. Data on file.

² The results of in vitro hip wear simulator tests have not been shown to quantitatively predict clinical wear performance. Data on file.

Reliable.

High performance.

A new level of reliability and performance, the Aesculap® Total Hip Solution is a comprehensive hip replacement system that combines dynamic implant options for high demand patients. Innovative system components aim to reinstate a high level of function by accurately restoring joint biomechanics and addressing the growing demand for bone conservation.

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